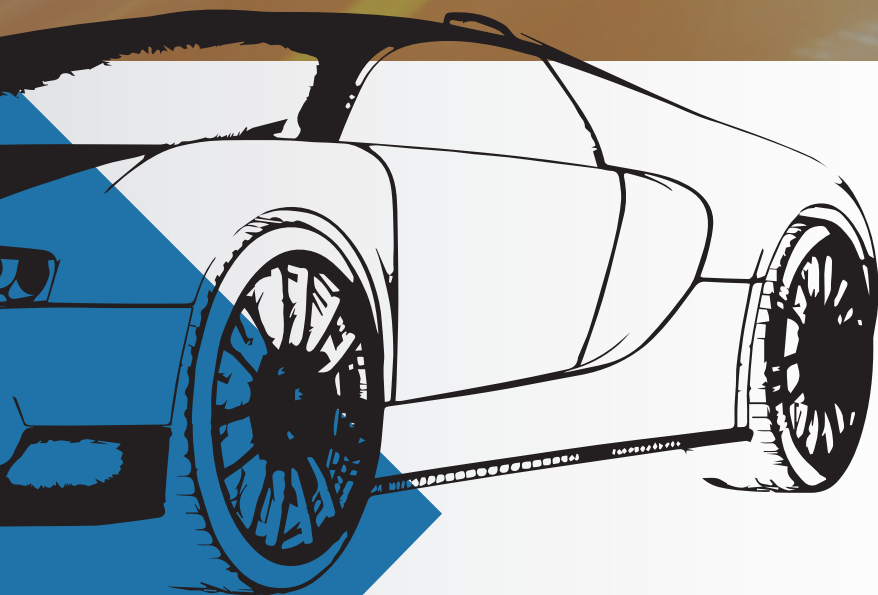




GLOBAL AUTOMOTIVE CONNECTORS VOL. 10e



JST

Automotive Connector & Terminal Series Index

To the Future, the Earth, and the People. This is JST to Connect the New Dreams.

Creating the “The Quality Connection” for the world and the future.

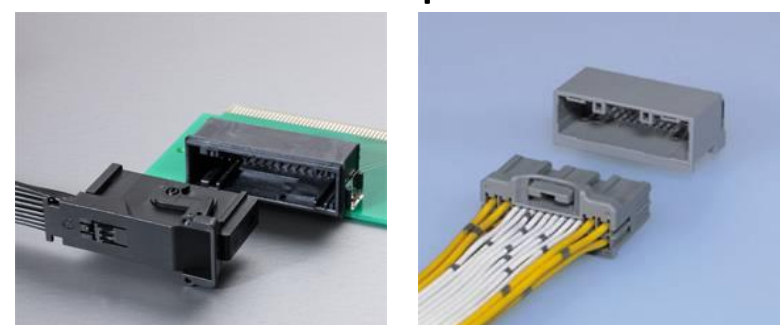
Our JST group has the responsibility of offering the “The Quality Connection” to our customer and carry out the valuable role through making connectors. Proposing the best solutions to our customer, we will make constant effort to supply the “Products to satisfy our customers” with the well-balanced Cost, Delivery, and Quality.

For Electric Control Unit

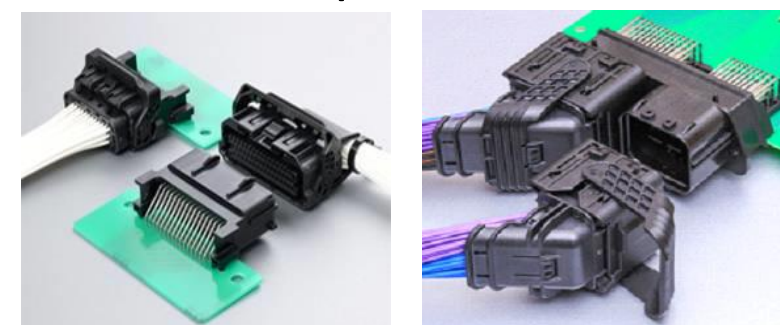
JST has variety of connectors for Automotive ECU, Inter-Panel Switches, and Wire Harness Connectors for Automotive Systems.



Board-to-Wire Non-Waterproof



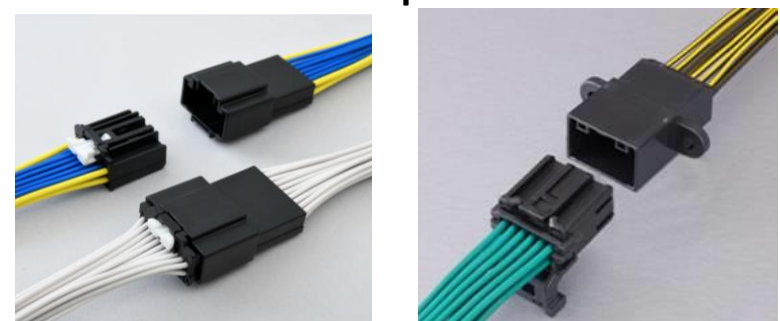
Board-to-Wire Waterproof



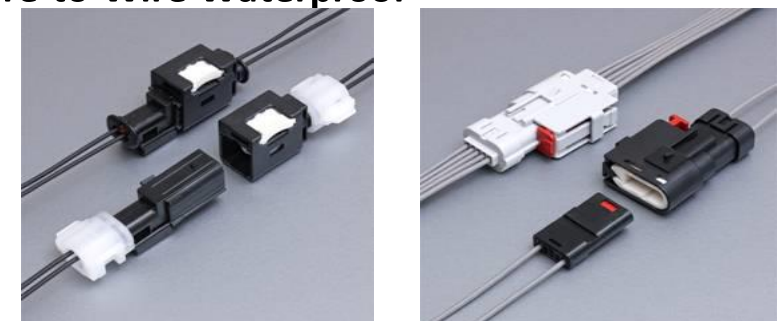
For Wire Harness Inline



Wire-to-Wire Non-Waterproof



Wire-to-Wire Waterproof

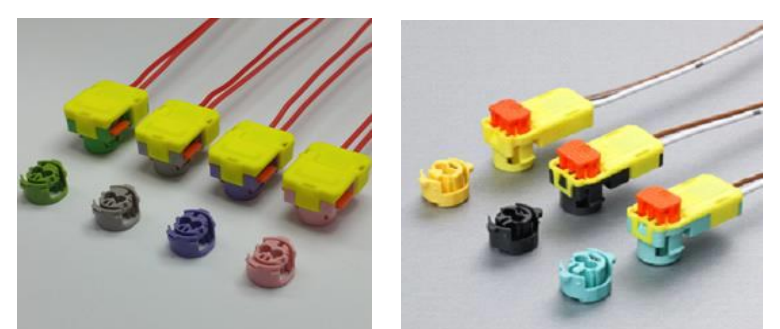


For Safety System

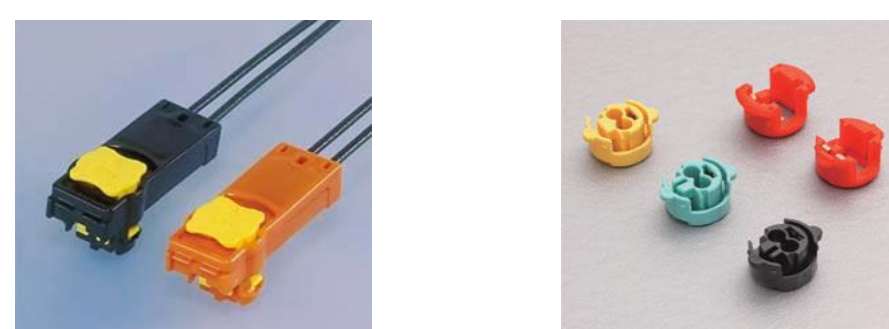
JST is a leading safety connector maker in Japanese automotive industry.



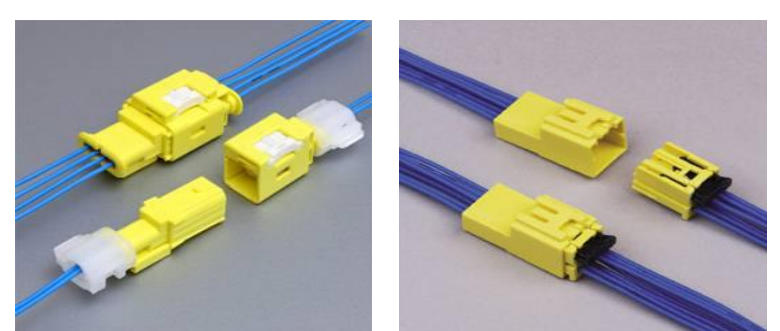
Safety System Squib



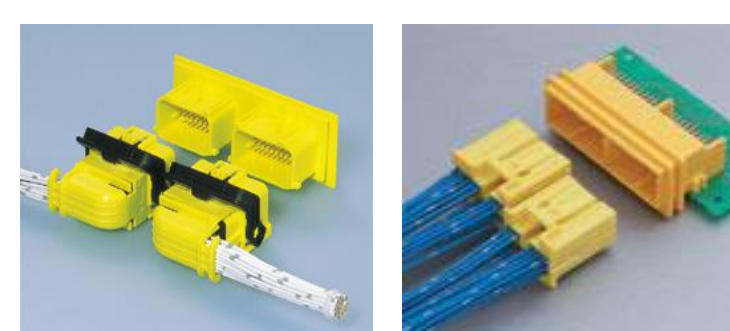
Safety System Shunt Ring



Safety System Wire-to-Wire



Safety System Wire-to-Board



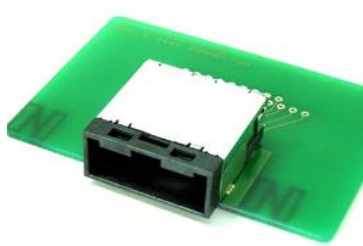
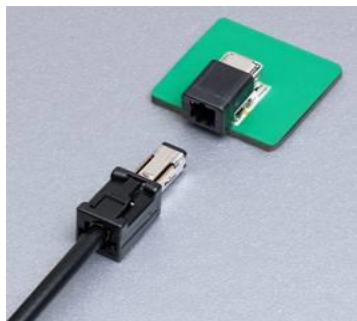
JST THE QUALITY CONNECTION



For Antenna and High Speed Data Transmission



High Speed Data Transmission & High Frequency



For EV Battery



High Current & High Voltage



For Direct Connection with Application



ABS Actuator



Sensor



Switch



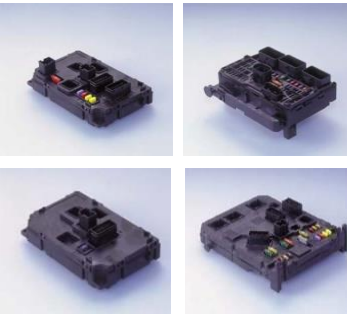
For Others Connectors



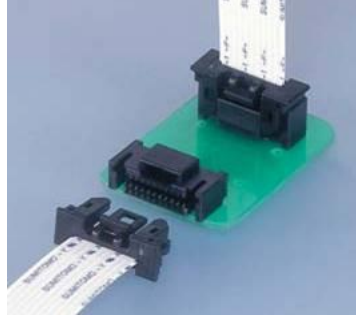
Board-to-Board



Customized



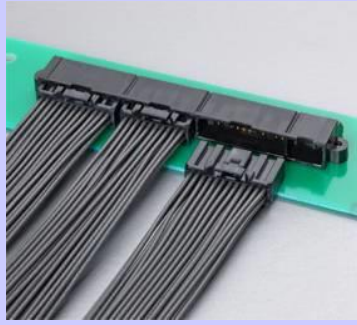
FFC



Board-to-Wire Connectors (Non-Waterproof)



CPT Connector ...P 24	
Terminal Size	0.50 mm (0.020 inch)
Pitch	2.00 mm
Mounting Type	SMT
Circuits	2 / 4 / 8 / 12 / 16 / 20 / 24
Current Rating	3 A



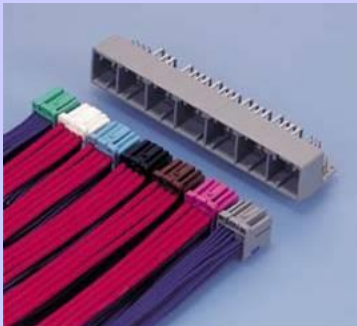
CPI Connector ...P 33	
Terminal Size	0.50 mm (0.020 inch)
Pitch	2.00 mm
Mounting Type	Through Hole
Circuits	58 / 69
Current Rating	3 A



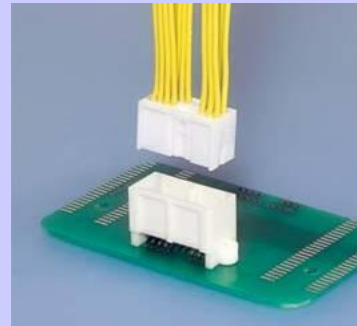
MEC Connector ...P 37	
Terminal Size	0.50 mm (0.020 inch)
Pitch	2.00 mm
Mounting Type	Through Hole / SMT
Circuits	5 / 8 / 10 / 12 / 18 / 20 / 24
Current Rating	3 A



SHC Connector ...P 47	
Terminal Size	0.64 mm (0.025 inch) + 2.3 mm (0.090 inch)
Pitch	2.20 mm
Mounting Type	Through Hole
Circuits	0.64mm terminal type : 10 / 32
Hybrid type	: 14 / 24 / 26
Current Rating	7 A



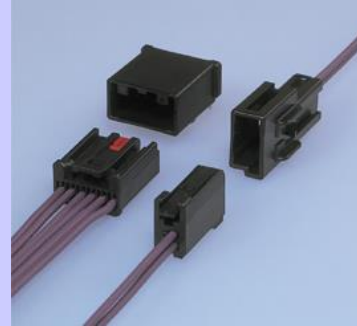
HIT Connector ...P 52	
Terminal Size	0.64 mm (0.025 inch) + 2.8 mm (0.110 inch)
Pitch	2.20 mm
Mounting Type	Through Hole
Circuits	151
Current Rating	5 A / 25 A



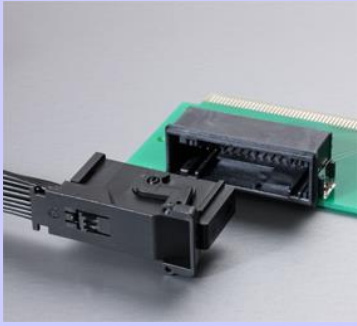
MIO Connector ...P 56	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.50 mm
Mounting Type	Through Hole
Circuits	16
Current Rating	5 A



AIT Connector ...P 59	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	4 / 8 / 10 / 16 / 18 / 20 / 34 / 52
Current Rating	5 A



AIT II Connector ...P 64	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	2 / 4 / 6 / 10 / 18 / 20 / 22
Current Rating	5 A



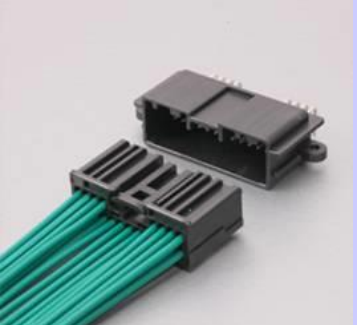
ACA Connector ...P 74	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	SMT
Circuits	32
Current Rating	3 A



HCM Connector ...P 77	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	3 / 4 / 5 / 6 / 8 / 9 / 12
Current Rating	5 A



HCH Connector ...P 84	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	SMT
Circuits	4 / 9
Current Rating	5 A



ATL Connector ...P 88	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	21
Current Rating	5 A



Board-to-Wire Connectors (Non-Waterproof)

ATLC Connector ...P 91	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Others
Circuits	21
Current Rating	5 A

RAD Connector ...P 93	
Terminal Size	0.64 mm (0.025 inch)
Pitch	1.50 mm (0.060 inch) + 2.8 mm (0.110 inch)
Mounting Type	Through Hole
Circuits	44
Current Rating	5 A / 15 A / 25 A

HSDP Connector ...P 96	
Terminal Size	0.64 mm (0.025 inch)
Pitch	1.50 mm (0.060 inch)
Mounting Type	Through Hole
Circuits	4
Current Rating	5 A

BCC Connector ...P 99	
Terminal Size	1.5 mm (0.060 inch)
Pitch	3.20 mm
Mounting Type	Through Hole
Circuits	14
Current Rating	15 A











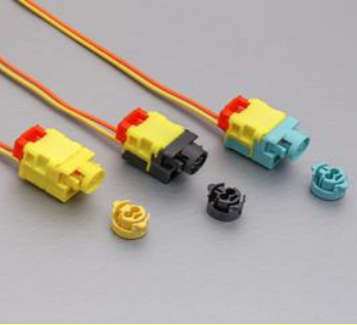

GIT18P Connector ...P 134	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	18
Current Rating	5 A

GIT Connector ...P 137	
Terminal Size	0.64 mm (0.025 inch)
Pitch	2.54 mm
Mounting Type	Through Hole
Circuits	36 / 50
Current Rating	5 A

Board-to-Wire Connectors (Waterproof)

	WIC Connector ...P 142 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch)</td></tr><tr><td>Pitch</td><td>2.54 mm</td><td>Circuits 76</td></tr><tr><td>Mounting Type</td><td colspan="2">Through Hole / Press-Fit</td></tr><tr><td>Current Rating</td><td colspan="2">5 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch)		Pitch	2.54 mm	Circuits 76	Mounting Type	Through Hole / Press-Fit		Current Rating	5 A			ZRO Connector ...P 188 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch)</td></tr><tr><td>Pitch</td><td>2.55 mm</td><td>Mounting Type Through Hole</td></tr><tr><td>Circuits</td><td colspan="2">36 / 48</td></tr><tr><td>Current Rating</td><td colspan="2">5 A / 7 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch)		Pitch	2.55 mm	Mounting Type Through Hole	Circuits	36 / 48		Current Rating	5 A / 7 A	
Terminal Size	0.64 mm (0.025 inch)																										
Pitch	2.54 mm	Circuits 76																									
Mounting Type	Through Hole / Press-Fit																										
Current Rating	5 A																										
Terminal Size	0.64 mm (0.025 inch)																										
Pitch	2.55 mm	Mounting Type Through Hole																									
Circuits	36 / 48																										
Current Rating	5 A / 7 A																										
	TCUD Connector ...P 192 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch)</td></tr><tr><td>Pitch</td><td>2.55 mm</td><td>Mounting Type Through Hole</td></tr><tr><td>Circuits</td><td colspan="2">48</td></tr><tr><td>Current Rating</td><td colspan="2">5 A / 7 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch)		Pitch	2.55 mm	Mounting Type Through Hole	Circuits	48		Current Rating	5 A / 7 A			JIA Connector ...P 195 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch) + 1.50 mm (0.060 inch)</td></tr><tr><td>Circuits</td><td>74 / 132</td><td>Mounting Type Through Hole</td></tr><tr><td>Current Rating</td><td colspan="2">5 A / 15 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch) + 1.50 mm (0.060 inch)		Circuits	74 / 132	Mounting Type Through Hole	Current Rating	5 A / 15 A				
Terminal Size	0.64 mm (0.025 inch)																										
Pitch	2.55 mm	Mounting Type Through Hole																									
Circuits	48																										
Current Rating	5 A / 7 A																										
Terminal Size	0.64 mm (0.025 inch) + 1.50 mm (0.060 inch)																										
Circuits	74 / 132	Mounting Type Through Hole																									
Current Rating	5 A / 15 A																										
	HPS Connector ...P 199 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch)</td></tr><tr><td>Pitch</td><td>2.54 mm</td><td>Mounting Type Others</td></tr><tr><td>Circuits</td><td colspan="2">40</td></tr><tr><td>Current Rating</td><td colspan="2">5 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch)		Pitch	2.54 mm	Mounting Type Others	Circuits	40		Current Rating	5 A			ASG Connector ...P 214 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch) + 6.30 mm (0.250 inch)</td></tr><tr><td>Circuits</td><td>15 / 19 / 25 / 47</td><td>Mounting Type Others</td></tr><tr><td>Current Rating</td><td colspan="2">5 A / 40 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch) + 6.30 mm (0.250 inch)		Circuits	15 / 19 / 25 / 47	Mounting Type Others	Current Rating	5 A / 40 A				
Terminal Size	0.64 mm (0.025 inch)																										
Pitch	2.54 mm	Mounting Type Others																									
Circuits	40																										
Current Rating	5 A																										
Terminal Size	0.64 mm (0.025 inch) + 6.30 mm (0.250 inch)																										
Circuits	15 / 19 / 25 / 47	Mounting Type Others																									
Current Rating	5 A / 40 A																										
	ATSS Connector ...P 217 <table><tr><td>Terminal Size</td><td colspan="2">0.64 mm (0.025 inch)</td></tr><tr><td>Pitch</td><td>2.54 mm</td><td>Mounting Type Others</td></tr><tr><td>Circuits</td><td colspan="2">8</td></tr><tr><td>Current Rating</td><td colspan="2">5 A</td></tr></table>	Terminal Size	0.64 mm (0.025 inch)		Pitch	2.54 mm	Mounting Type Others	Circuits	8		Current Rating	5 A															
Terminal Size	0.64 mm (0.025 inch)																										
Pitch	2.54 mm	Mounting Type Others																									
Circuits	8																										
Current Rating	5 A																										

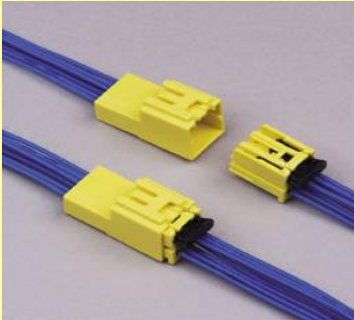
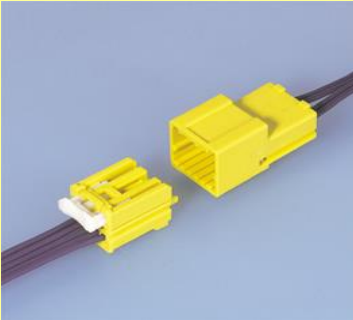
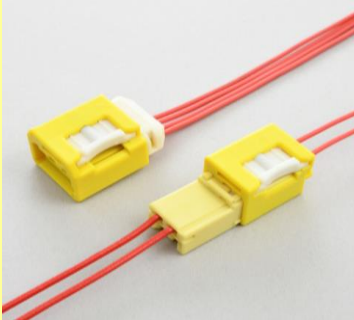
Safety System Squib Connectors

	<div>SQS Connector ...P 146</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Standard type of AK1 connector.</div>		<div>SQM Connector ...P 149</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Short body type connector.</div>
	<div>SQH Connector ...P 152</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Short body type connector. •Housing Lock improves assimilability compared with SQM.</div>		<div>SQS2 Connector ...P 155</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm², 0.8 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Short body type connector.</div>
	<div>SQW Connector ...P 158</div> <div>Applicable Wire 0.5 mm²</div> <div>EMI filterCPA</div> <div>CoilIncluded</div> <div>Features</div> <div>•Noise suppression with a built-in coil.</div>		<div>SQF Connector ...P 161</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Compact design. •Designed to fix into the fix-in type inflator pocket.</div>
	<div>SQXW Connector ...P 164</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Anti-scooping type.</div>		<div>SQSK Connector ...P 167</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Anti-scooping type.</div>
	<div>SQZ Connector ...P 170</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Anti-scooping type. •Short body type connector.</div>		<div>SQB Connector ...P 173</div> <div>Applicable Wire 0.3 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Special mating mechanism. •Shunt less type</div>
	<div>SQN Connector ...P 176</div> <div>Applicable Wire 0.35 mm² ~ 0.5 mm²</div> <div>EMI filterCPA</div> <div>FerriteIncluded</div> <div>Features</div> <div>•Anti-scooping type. •Short body type connector.</div>		<div>Shunt Ring Connector ...P 179</div> <div>Terminal Size None</div> <div>Shorting Terminal Included</div> <div>Features</div> <div>•Special mating mechanism.</div>


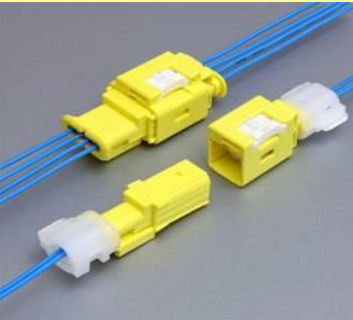
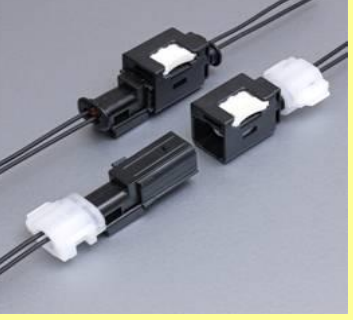
Safety System Shunt Ring Connectors






Safety System Wire-to-Wire Connectors (Non-Waterproof)

	HIC Connector ...P 107 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 2.20 mm 8 Shorting Terminal Selectable Current Rating 5 A		SNA Connector ...P 110 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 2.54 mm 2 / 5 Shorting Terminal Selectable Current Rating 5 A
	BAB Connector ...P 113 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 5.00 mm 2 Shorting Terminal None Current Rating 3 A / 5 A		


Safety System Wire-to-Wire Connectors (Waterproof)

	SISC Connector ...P 116 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 2.54 mm 4 Shorting Terminal None Current Rating 5 A		SAB Connector ...P 119 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 4.00 mm 2 / 4 Shorting Terminal Included Current Rating 5 A
	FAB Connector ...P 123 Terminal Size <u>0.64 mm (0.025 inch)</u> Pitch Circuits 4.00 mm 2 Shorting Terminal None Current Rating 5 A		

Safety System Board-to-Wire Connectors (Non-Waterproof)

	CIT Connector ...P 127 Terminal Size <u>0.64 mm (0.025 inch)</u> Shorting Terminal Circuits Included 36 / 60 Mounting Type Through Hole / Press-Fit Current Rating 5 A		TRZ Connector ...P 131 Terminal Size <u>0.64 mm (0.025 inch)</u> Shorting Terminal Circuits Included 46 Mounting Type Through Hole Current Rating 5 A
	GIT18P Connector ...P 134 Terminal Size <u>0.64 mm (0.025 inch)</u> Shorting Terminal Circuits Selectable 18 Mounting Type Through Hole Current Rating 5 A		

Safety System Board-to-Wire Connectors (Waterproof)

	WIC Connector ...P 142 Terminal Size <u>0.64 mm (0.025 inch)</u> Shorting Terminal Circuits Included 76 Mounting Type Through Hole / Press-Fit Current Rating 5 A	
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Wire-to-Wire Connectors (Non-Waterproof)



AIT II Connector ...P 64

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	2 / 3 / 6 / 7 / 10 / 22
Special Mating Mechanism	None
Current Rating	5 A



HCM Connector ...P 77

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	4 / 5
Special Mating Mechanism	None
Current Rating	5 A



MSA Connector ...P 103

Terminal Size	1.20 mm (0.047 inch)
Pitch	Circuits
2.54 mm	16 / 20
Special Mating Mechanism	CPA
Current Rating	14 A / 19 A



HIC Connector ...P 107

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.20 mm	8
Shorting Terminal	Selectable
Current Rating	5 A



SNA Connector ...P 110

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	2 / 5
Shorting Terminal	Selectable
Current Rating	5 A



BAB Connector ...P 113

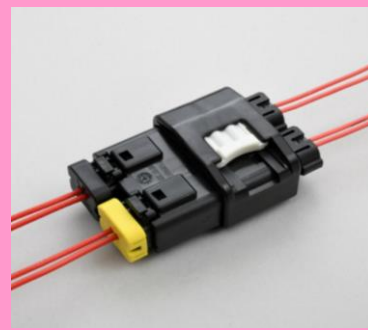
Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
5.00 mm	2
Shorting Terminal	None
Current Rating	3 A



ARV Connector ...P 181

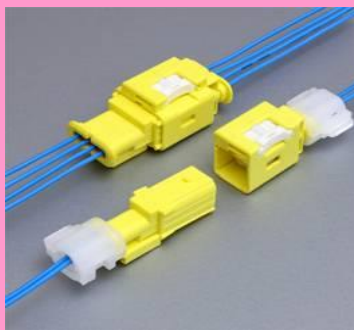
Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	12 / 18 / 22
Special Mating Mechanism	None
Current Rating	5 A

Wire-to-Wire Connectors (Waterproof)



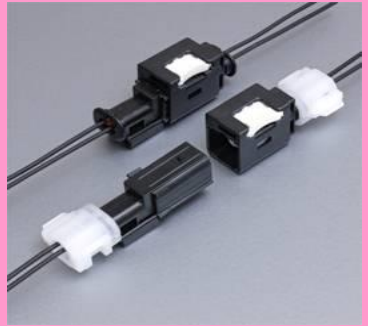
SISC Connector ...P 116

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	4
Shorting Terminal	None
Current Rating	5 A




SAB Connector ...P 119

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
4.00 mm	2 / 4
Shorting Terminal	Included
Current Rating	5 A




FAB Connector ...P 123

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
4.00 mm	2
Shorting Terminal	None
Current Rating	5 A



SAC Connector ...P 202

Terminal Size	0.64 mm (0.025 inch)
Pitch	Circuits
2.54 mm	4
Special Mating Mechanism	None
Current Rating	5 A




SRV Connector ...P 205

Terminal Size	1.20 mm (0.047 inch)
Pitch	Circuits
2.54 mm	2 / 3 / 4 / 5
Special Mating Mechanism	CPA
Current Rating	7 A




Panel Mount Connectors (Waterproof)



EVZ2 Connector ...P 208

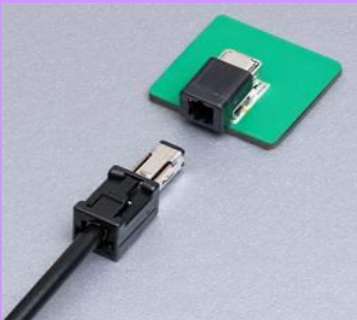
Terminal Size	
0.64 mm (0.025 inch)	
Pitch	Circuits
2.55 mm	10 / 27 / 36
Special Mating Mechanism	
Lever Lock	
Current Rating	
5 A	

High Speed Data Transmission & High Frequency Connectors




CN Connector ...P 219

Frequency Range	
DC to 1.5 GHz	
Characteristic Impedance	
50 Ω	
Mounting Type	
Through Hole	
Current Rating	
1 A	



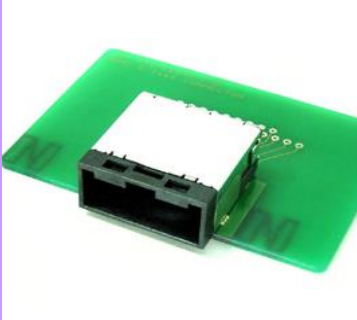
EA2 Connector ...P 222

Frequency Range	
DC to 6 GHz	
Characteristic Impedance	
50 Ω	
Mounting Type	
SMT	
Current Rating	
1 A	



ASU Connector ...P 226


Transmission Speed	
480 Mbps	
Differential Impedance	
90 Ω ±20	
Mounting Type	
SMT	
Current Rating	
1 A	



HIE Connector ...P 230


Transmission Speed	
10.2 Gbps	HDMI E type
Characteristic Impedance	
100 Ω ±15% (Tr=200ps, 10-90%)	
Mounting Type	
SMT	
Current Rating	
0.5 A	

High Current & High Voltage Connectors




SPH2 Connector ...P 232

Terminal Size	
• Power: 9.50 mm (0.375 inch)	
• Signal: 0.64 mm (0.025 inch)	
Current Rating	Mounting Type
Signal: 5 A DC max.	Panel Lock type
Power: 100 A DC max.	
Features	
• Built-in fuse.	



HVGW Connector ...P 236

Terminal Size	
14.50 mm (0.571 inch)	
Current Rating	Mounting Type
135 A DC	Others
Features	
• Over 98% shielding coverage.	



HVGT Connector ...P 240

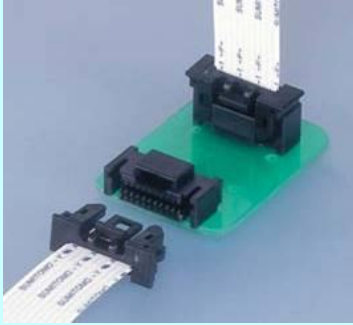
Terminal Size	
14.50 mm (0.571 inch)	
Current Rating	Mounting Type
30 A DC	Others
Features	
• 2 input and 4 output circuits.	
• Over 93% shielding coverage.	



Other Connectors



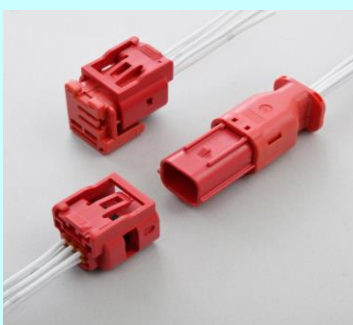
NAC1 Connector ...P 186		
Terminal Size	1.00 mm (0.040 inch)	
Circuits	8	Mounting Type Others
Current Rating	5 A	



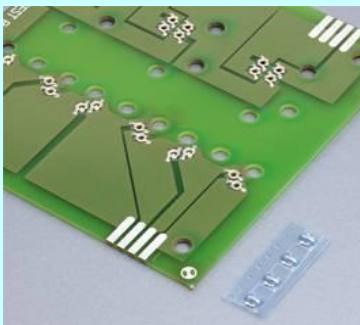
FOX Connector ...P 244		
Terminal Size	0.80 mm	
Pitch	1.25 mm	Mounting Type Through Hole
Current Rating	1.5 A	



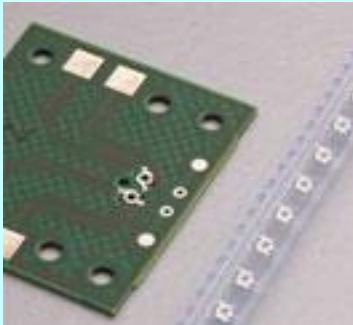
NFG Connector ...P 247		
Terminal Size	2.30 mm (0.090 inch)	
Circuits	3	Mounting Type Others
Current Rating	5~7 A	



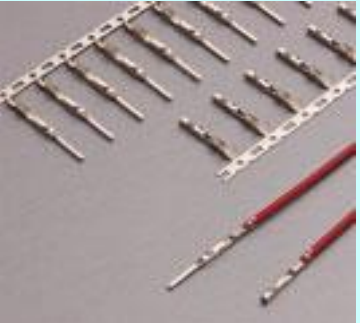
MWT Connector ...P 249		
Terminal Size	0.64 mm (0.025 inch)	
Circuits	6	Mounting Type Others
Pitch	3.0 mm	
Current Rating	3.5 A / 7.5 A	



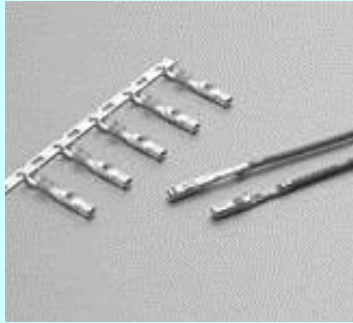
SBO Connector ...P 253		
Pitch	3.9 × 5.08 mm min. (Flexibility on PCB)	
Mounting Type	SMT	
Features	<ul style="list-style-type: none">• Being able to place everywhere on PCB.• Connecting flexibility with different pitches and different numbers of pins.	



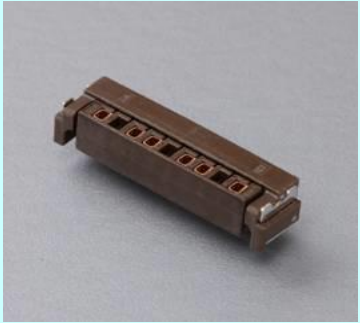
SBO2 Connector ...P 255		
Pitch	3.9 × 5.08 mm min. (Flexibility on PCB)	
Mounting Type	SMT	
Features	<ul style="list-style-type: none">• Having reflow processes on both sides is possible.• Connecting flexibility with different pitches and different numbers of pins.	



MSA Terminal ...P257		
Terminal Size	1.20 mm (0.047 inch)	
Features	<ul style="list-style-type: none">• Terminal compliant with USCAR.	



1.5 Female Terminal ...P260		
Terminal Size	1.50 mm (0.060 inch)	
Features	<ul style="list-style-type: none">• Power terminal for unsealed connector.	



HVD Connector ...P 262		
Terminal Size	0.64 mm	
Circuits	6	Mounting Type SMT
Current Rating	4.5 A	

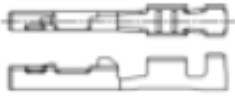

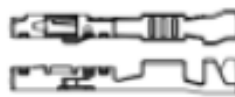
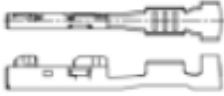

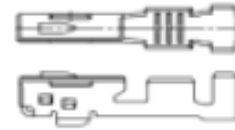


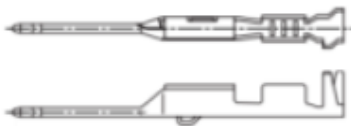

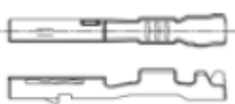
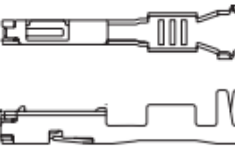
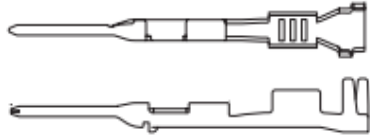
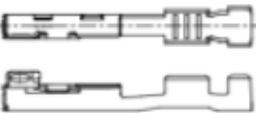
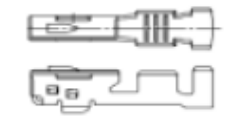
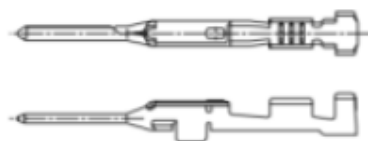
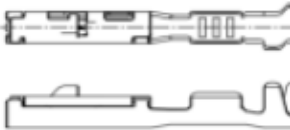



Junction Box ...P264		
Type of Connector	Custom-Made	
Features	<ul style="list-style-type: none">• Various configurations, numbers of circuits, and the fuse specifications.	





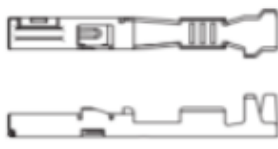

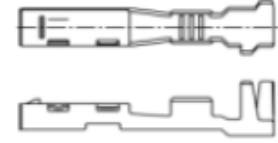
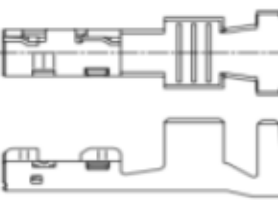
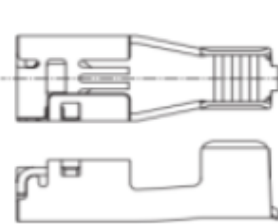
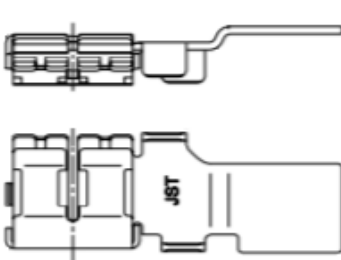


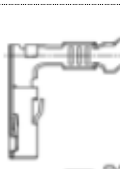
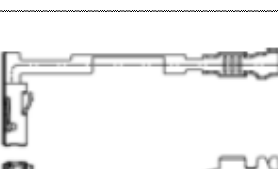

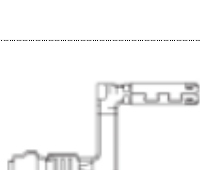
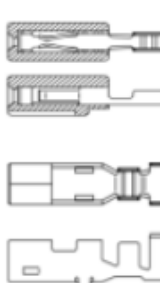

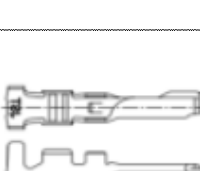
Apply Terminal Size & Connector List

SIZE (mm (inch))	Terminal	Drawing	Female/Male	Current Rating	Applicable Wires (mm ²)
0.50 mm (0.020 inch)	SCPT-A021GF-0.5		Female	3A	0.3
	SMEC-A021()-M0.5		Female	3A	0.3
0.63 mm (0.024 inch)	SJIA-A021T-M063		Female	5A	0.3 - 0.5
0.64 mm (0.025 inch)	SNAC3-A()()- ()0.64-()		Female	5A	A001: 0.13 A021: 0.3 - 0.5 A031: 0.5 - 0.85
	SNAC3W-A()()- ()0.64-()		Male	5A	A001: 0.13 A021: 0.3 - 0.5 A031: 0.5 - 0.85
	SHCM-A()T-P025		Female	5A	A03(): 0.3 - 0.5 A02(): 0.75 - 0.8 A05T : 0.13
	SGIT-()021()-MS0.64		Female	3A: ACA 5A: GIT18P/36P/50P	A021(): 0.5 B021(): 0.3 - 0.5
	SAIT()-A()()- ()064		Female	5A	A04(): 0.13 A03(): 0.3 - 0.5 A02(): 0.75 - 0.8
	SAITW()-A()()- ()064		Male	5A	A04(): 0.13 A03(): 0.3 - 0.5 A02(): 0.75 - 0.8
	SWPH-A021GF-M064		Female	5A (0.5mm ²)	0.5
	SZRO-A()T-M0.64		Female	5A (0.5mm ²) 7A (1.25mm ²)	A021(): 0.3 - 0.5 A031(): 0.75 - 0.85
	SMWTS-A021T-C064		Female	3.5A 7.5A	0.3 - 0.5
	SMWTWS-A021T-064		Male	3.5A 7.5A	0.3 - 0.5
1.00 mm (0.040 inch)	SNAC-A03T-M040		Female	5A	0.3 - 0.5
	SHCM-A03T-P025		Female	5A	0.3 - 0.5
	SHCMW-A03T-040		Male	5A	0.3 - 0.5
1.20 mm (0.047 inch)	SMSA-A()()-M1.2		Female	14A (0.75mm ²) 19A (1.5mm ²)	A001(): 0.13 A011(): 0.35 A031(): 0.5 - 0.75 A041(): 1.0 - 1.5
	SMSAW-A()()-M1.2		Male		

Note: Alphabetic characters or numbers are put in ().
For more information, please contact JST.

Plating	Product Name	Page	Feature of Connector Series								Note	SIZE (mm (inch))
			Water Proof	Short Terminal	WtoW	WtoB			Press-Fit			
					CPA	CPA	DIP	SMT				
Gold	CPT	P 24 ~ P 32						○			0.50 mm (0.020 inch)	
	CPI	P 33 ~ P 36					○					
A()GF: Gold A()T: Tin	MEC	P 37 ~ P 46					○	○				
Tin	JIA	P 195 ~ P 198	○					○				0.63 mm (0.024 inch)
A()GF: Gold A()GI: Gold A()T: Tin	SHC	P 47 ~ P 51						○			0.64 mm (0.025 inch)	
	HIT	P 52 ~ P 55						○				
	HIC	P 107 ~ P 109		○	○							
	CIT	P 127 ~ P 130		○			○		○			
	TRZ	P 131 ~ P 133		○				○				
	ARV	P 181 ~ P 185			○							
A()GF: Gold A()GI: Gold A()T: Tin	HIC	P 107 ~ P 109		○	○							
	ARV	P 181 ~ P 185			○							
Tin	MIO	P 56 ~ P 58						○				
	HCM	P 77 ~ P 83					○	○				
	HCH	P 84 ~ P 87							○			
A()GF: Gold B()T: Tin	ACA	P 74 ~ P 76							○			
	GIT18P	P 134 ~ P 136		○				○				
	GIT36P/50P	P 137 ~ P 141						○				
A()GF: Gold A()T: Tin	AIT	P 59 ~ P 63					○	○				
	AIT II	P 64 ~ P 73						○				
	ATL	P 88 ~ P 90						○				
	ATLC	P 91 ~ P 92					○					
	RAD	P 93 ~ P 95						○				
	HSDP	P 96 ~ P 98						○				
	SNA	P 110 ~ P 112		○	○							
	BAB	P 113 ~ P 115										
	SISC	P 116 ~ P 118	○									
	SAB	P 119 ~ P 122	○	○								
	FAB	P 123 ~ P 126	○									
	ARV	P 181 ~ P 185			○							
	HPS	P 199 ~ P 201	○				○					Female Only
	SAC	P 202 ~ P 204	○									
	ASG	P 214 ~ P 216	○									Female Only
ATSS	P 217 ~ P 218	○				○				Female Only		
A()GF: Gold A()T: Tin	AIT	P 59 ~ P 63					○	○				
	AIT II	P 64 ~ P 73						○				
	SNA	P 110 ~ P 112		○	○							
	BAB	P 113 ~ P 115										
	SISC	P 116 ~ P 118	○									
	SAB	P 119 ~ P 122	○	○								
	FAB	P 123 ~ P 126	○									
	ARV	P 181 ~ P 185			○							
SAC	P 202 ~ P 204	○										
Gold	WIC	P 142 ~ P 145	○	○			○	○		○		
Tin	ZRO	P 188 ~ P 191	○					○				
	TCUD	P 192 ~ P 194	○					○				
	EVZ2	P 208 ~ P 213	○									
Tin	MWT	P 249 ~ P 252	○									
Tin	MWT	P 249 ~ P 252	○									
Tin	NAC1	P 186 ~ P 187								Female Only	1.00 mm (0.040 inch)	
Tin	HCM	P 77 ~ P 83										
Tin	HCM	P 77 ~ P 83										
A()A: Silver A()T: Tin	MSA	P 103 ~ P 106			○						1.20 mm (0.047 inch)	
	1.2 Terminal	P 257 ~ P 259										

Apply Terminal Size & Connector List

SIZE (mm (inch))	Terminal	Drawing	Female/Male	Current Rating	Applicable Wires (mm ²)
1.50 mm (0.060 inch)	SNAC-A()T-M1.5		Female	15A	A011: 0.22 - 0.35 A021: 0.3 - 0.5 A041: 0.75 - 1.25 A071: 1.5 - 2.0
	SNACM-A041T-M1.5		Female	15A	0.75 - 1.25
2.30 mm (0.090 inch)	SNORS-A()T-M2.3		Female	5A (0.5mm ²) 7A (0.75mm ²)	A021T: 0.3 - 0.5 A041T: 0.75 - 1.25
2.80 mm (0.110 inch)	SNAC-A()T-M2.8		Female	25A	A061: 0.85 - 1.3 A081: 2.0 - 3.3 A091: 3.0 - 5.0
9.50 mm (0.375 inch)	SPEG-A18T-M9.5		Female	100A	15 - 20
14.50 mm (0.571 inch)	AHVG-350B-C1500		Female	135A	35
SQUIB	SSQF-A03GF-P-P		Female	--	0.3 - 0.5
	SQS-A03G()-P-P		Female	--	0.3 - 0.5
	SSQS2-A()G()-P-P		Female	--	A03(): 0.3 - 0.5 A04(): 0.8
	SSQW-A03GI-P-P		Female	--	0.5
	SSQSK-A03GJ-P-()		Female	3A	0.3 - 0.5
	SSQN-A()GJ-P-()		Female	3A	0.35 - 0.5
High Frequency	CN-SAS1290 SCN-61T-4.6		Female	1A	--
	EA2-SCS5542		Female	1A	1.5D Coaxial Cables
	SASU-002GD-P0.15		Female	1A	Inner Conductor AWG#26 to AWG#28

Note: Alphabetic characters or numbers are put in ().
For more information, please contact JST.

Plating	Product Name	Page	Feature of Connector Series								Note	SIZE (mm (inch))
			Water Proof	Short Terminal	W to W	W to B			SMT	Press-Fit		
					CPA	CPA	DIP					
Tin	BCC	P 99 ~ P 102					○				Blade thickness 0.64mm	1.50 mm (0.060 inch)
	1.5 Female	P 260 ~ P 261										
Tin	JIA	P 195 ~ P 198	○				○				Female Only	
Tin	NFG	P 247 ~ P 248	○								Vibration Durability Female Only	2.30 mm (0.090 inch)
Tin	HIT	P 52 ~ P 55					○					2.80 mm (0.110 inch)
Tin	SPH2	P 232 ~ P 235				○					High Voltage	9.50 mm (0.375 inch)
Core terminal: Copper alloy / Silver	HVGW	P 236 ~ P 239	○								High Voltage Female Only Ultrasonic weld	14.50 mm (0.571 inch)
Gold	SQF	P 161 ~ P 163									Fix-in	SQUIB
Gold	SQS	P 146 ~ P 148				○						
	SQM	P 149 ~ P 151				○						
	SQH	P 152 ~ P 154				○						
	SPH2	P 232 ~ P 235									For Signal	
Gold	SQS2	P 155 ~ P 157				○						
Gold	SQW	P 158 ~ P 160				○						
Gold	SQXW	P 164 ~ P 166				○					ISO 19072-4	
	SQSK	P 167 ~ P 169				○					ISO 19072-4	
	SQZ	P 170 ~ P 172				○					ISO 19072-4	
	SQB	P 173 ~ P 175				○					Shunt Less	
Gold	SQN	P 176 ~ P 178				○					ISO 19072-4	
Tin	CN	P 219 ~ P 221					○				High Frequency	High Frequency
Gold	EA2	P 222 ~ P 225						○			High Frequency	
Gold	ASU	P 226 ~ P 229						○			High Frequency	

Handling Precaution for Terminal and Connector

This manual is to describe basic precautions for use of terminal and connector in the following. Make use of this manual when wire connection processing is conducted in appliance designing and harness process.

When there are doubtful points in use, contact JST.

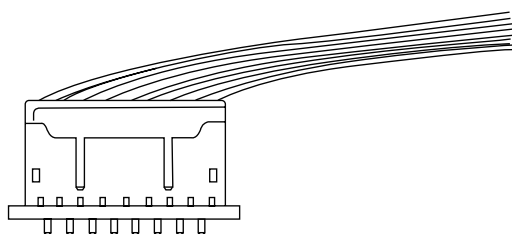
1. Common Handling Precautions

- JST's terminal and connector are designed to connect electricity and electrical signal, and not aimed to be used as structure or a part of structure premising that mechanical force loads to connection part (contact part) of JST's terminal and connector.
- JST's terminal and connector are designed for wiring in electrical appliances or between electrical appliances.
JST's terminal and connector are designed only for usage of "domestic wiring of electrical appliance" in Electrical Appliance and Material Safety Law.
Appropriate provision is required for electrical appliances so that general person does not touch terminal and connector.
- JST's terminal and connector are designed to aim electrical connection in electrical appliances or between electrical appliances.
They are not "connection appliance" conformed to Electric Appliance and Material Safety Law, so that they cannot use for wiring inside building material and cable wiring for indoor and outdoor.
- Use JST's terminal and connector within the range of rated value of product specification and performance specification.
This rated value and performance specification are specified as parts themselves, when using in actual use, use them after checking to satisfy regulation and design standard about appliances to be used.
- Do not expose JST's terminal and connector, processing process product and processing product (harness, etc.) to corrosive substance, corrosive gas, high temperature and high humidity and direct sunshine. It causes corrosion of contact and deterioration of insulation performance of housing, etc., so that it causes motion defect of appliances.
- Do not apply external load to JST's terminal and connector, processing process product and processing product (harness, etc.). Deformation and breakage, etc. occur, and it causes performance defect of connector.

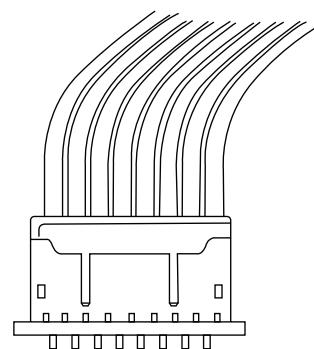
Handling Precaution for Terminal and Connector

- When checking circuit of harness with terminal and connector, handling wire harness, etc. in assembly of appliances or after wiring is fixed or applying load, due to tensile strength, to joint part of JST's terminal and connector, joint part of contact contacting part and wire is damaged and causes of contact defect. When handling and wiring wire harness, etc., provision such as an appropriate slack to wire is required in order not to apply abnormal load to joint part of JST's terminal and connector. See examples 1 and 2.

Example 1: Wire to Board connectors

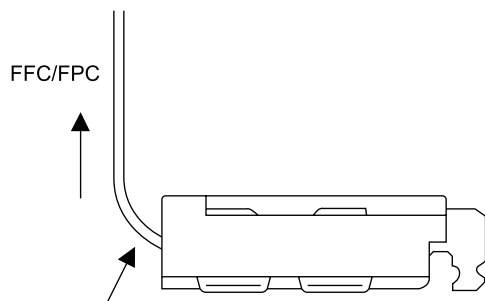


× Wire length is not sufficient to handle.



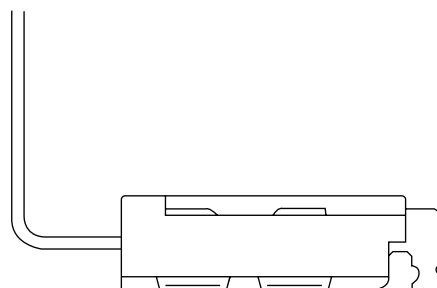
○ Wire length is sufficient to handle.

Example 2: FFC/FPC connectors

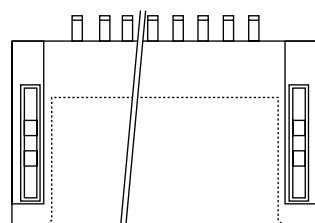


Force is loaded to FFC/FPC.

× FFC/FPC length is not sufficient to handle.



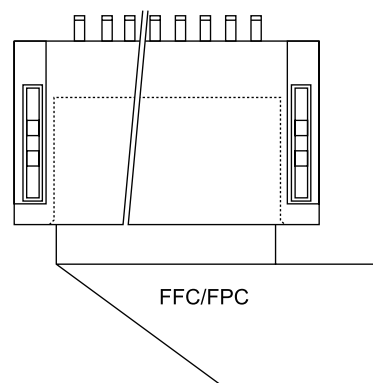
○ FFC/FPC length is sufficient to handle.



FFC/FPC

Force is loaded to FFC/FPC.

× Force is loaded to FPC.



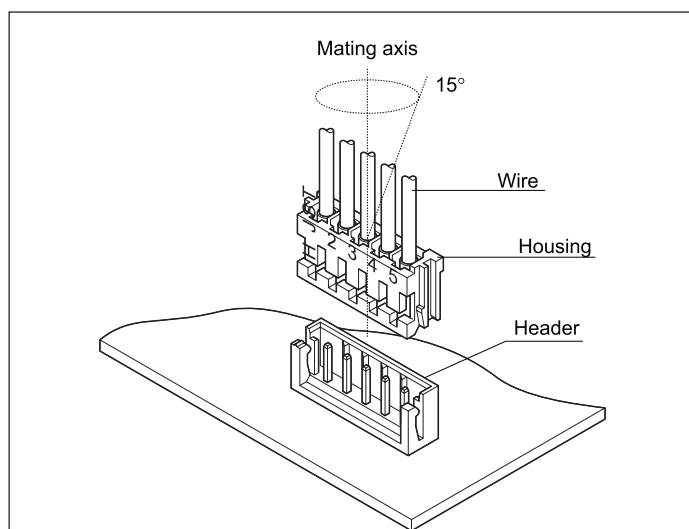
FFC/FPC

○ Forming processing is conducted to FPC so as not to load force to connector.

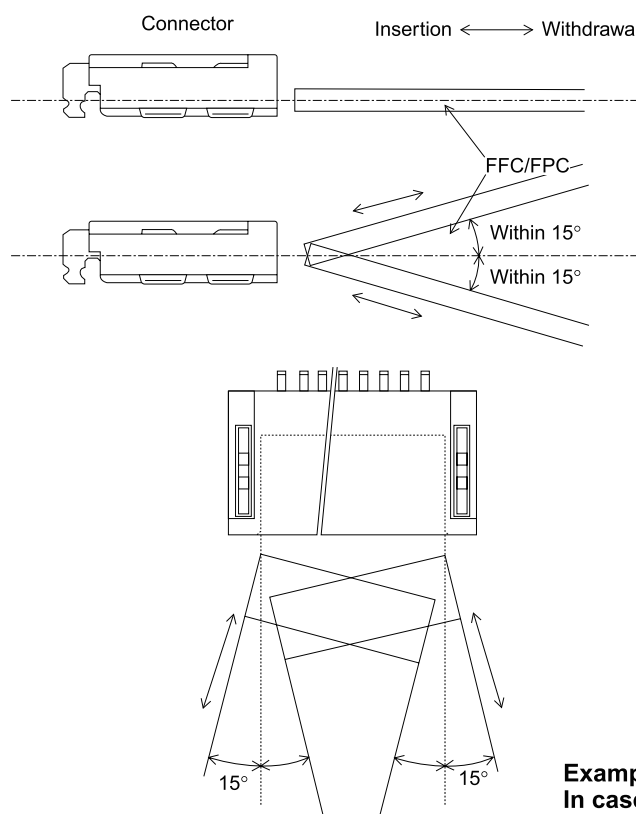
Handling Precaution for Terminal and Connector

- When disconnectable JST's terminal and connector is mated and unmated (hereafter referred to as disconnection operation) in check of harness, etc., assembly of appliances and maintenance such as repair, etc., hold wire in a bundle and operate it within 15 degrees which is an indicated angle (see example 3 & 4). As for operation angle specified in JST product specification or JST handling manual, the specified one is prior.

Disconnection operation beyond specified angle leads to expanding of mating part of contact, and causes of contact defect.



Example 3: In case of wire to board connector



**Example 4:
In case of connectors for FFC/FPC**

- When electrical continuity of circuit and miss-wiring are checked, do not insert others than the applicable mating (shrouded header and header, etc.). It leads to deformation of contact, etc., and causes of contact defect.
- In packaging and storage of processing product of JST's terminal and connector, do not apply load by stack, etc. for a long time.
It leads to deformation of JST's terminal and connector, and causes of performance defect.

Handling Precaution for Terminal and Connector

2. Handling Precaution for Terminal and Connector in Electrical Appliances

- JST's terminal and connector are not designed so that they may disconnect in live electrical circuit. Do not disconnect JST's terminal and connector in the live electrical condition in order to prevent damage and performance defect by spark, etc.
- In case that condensation and water leak occurred on JST's terminal and connector, there is a risk that insulation defect may occur between circuits. When it is estimated that condensation and water leak occur, appropriate countermeasure to prevent waterdrop is required.
- When using JST's terminal and connector, avoid using to branch and apply electricity more than rated value to some circuits. Even if electricity per a circuit is set not to exceed rated value on calculation, electricity per a circuit is not shared equally due to variation of circuit pattern and contact resistance, so that performance deterioration makes progress by current continuity more than rated value, and abnormality occurs.
- When connectors are used at parts that wire and printed circuit board with connectors resonate or mating part (connection part) of connector always moves whenever appliance has rotation structure or moving part, that causes contact defect by fretting corrosion of contact part.
Appropriate provision such as fixing of wire and printed circuit board in appliances or support of printed circuit board and suppression of resonance, etc.
- When contact material of JST's terminal and connector is brass, breakdown and cracking (stress corrosion cracking) occur in the existence of corrosive gas and moisture (condensation, etc.) of ammonia and sulfur gas, etc., and that causes of contact defect of connector. When effect of corrosive gas of ammonia and sulfur gas, etc. aforementioned condition is expected in use place of terminal, connector and its electrical appliances to use, use copper-alloy material (phosphor bronze material, etc.) except for brass material as a contact material. Contact JST for products.
- After connector was connected to printed circuit board with solder, when printed circuit board is stacked on connector, deformation of mating part of connector and adhesion of foreign matter occur, and that causes of contact defect of connector. Do not stack printed circuit board after connection with solder.

3. Note for Wire Connection Processing of Harness Processing, etc.

- When JST's terminal, chain terminal and connector are crimped or terminated with wire, use tools specified in JST. If connection is conducted by other tools than the specified one, it causes of contact defect and breakage. Besides, after checking processing operation condition, etc., process harness.
- As defect control of important control point on wire connection processing of JST's terminal and connector such as applicable wires and crimp height, etc. causes contact defect, check control point before processing.
- As a rule, applicable wires for crimping connector and insulation displacement connector are tin-plated annealed copper wire (stranded wire). It is necessary to check when using bare copper wire, solid wire, tin-coated wire and shielding wire. However, wires of terminal and connector specified individually are decided depending on each specification.

When wire is used in insulation displacement connector, use wire checked in JST.

Precaution for Crimping Process

The following instructions describe the procedure to be adopted when crimping terminals or contacts onto wires. Please read the relevant connector and application tooling “Handling Manuals” prior to terminating the connector. If you need any further information, please contact JST.

1. Crimping tools

When JST chain terminals are crimped or terminated with wires, always use application tooling specified by JST. If this process is conducted using application tooling other than that specified, product defect and failure may occur. JST cannot accept any liability for failures due to the use of non-JST application tooling.

2. Applicable wires

Before starting the crimping process, please confirm that the wire to be used is within the range of the chosen crimping terminal.

As a rule, applicable wires for crimping connector are tin-plated annealed copper stranded wire. Bare copper wire, solid wire, tin-coated wire, shielded wire and so on are out of range. However, it is possible to use other wires if they are checked for compatibility with the chosen crimping terminal.

3. Control Points for Crimping Operation

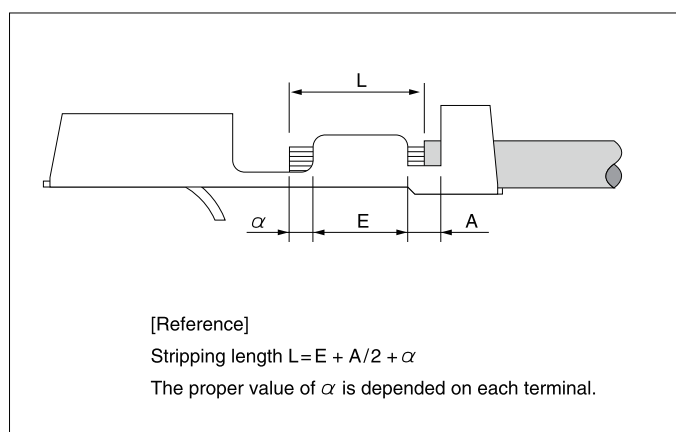
Please check the following points to ensure that a correctly crimped terminal and wire combination is produced.

3.1 Checking Application Tooling

Read the “Operation/Handling Manuals” which are available for each press and application tool prior to commencing the crimping operation.

3.2 Stripping Wire Insulation Operation

As the wire stripping length is influenced by wire style, crimping method and so on, please set the proper stripping length according to processing condition. After setting the correct length depending on the terminal used, strip the insulation carefully by a wire stripper etc. without any damage to the wire conductors.



[Cautions]

- (1) Take care to prevent cutting of wire conductors, uneven stripping length and insufficient cutting of the insulation.
- (2) Ensure the strands do not spray come apart.
- (3) Do not excessively twist the strands.

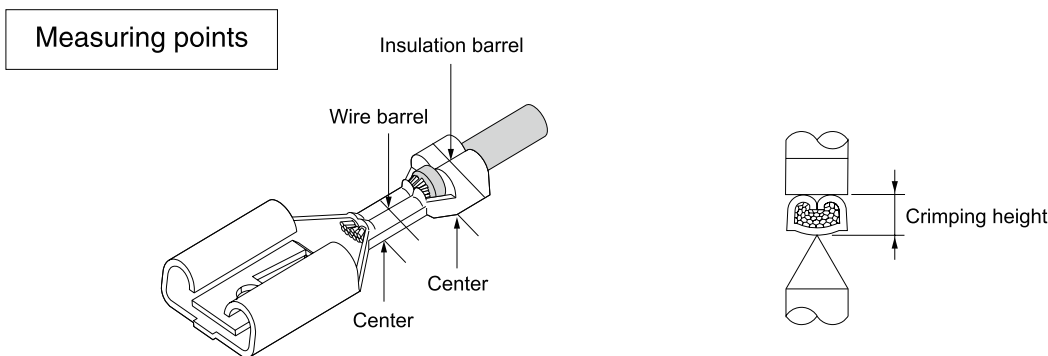
Precaution for Crimping Process

3.3 Crimping Height

Crimping height is one of the important quality management items on crimping process. As crimping terminals without the correct crimp-height is the cause of poor conductivity, measure the crimp-height at the start, in the middle and at the end of the crimping process.

1) Measuring Method

Measure the crimping height of the crimped terminals with a specified crimp micrometer (designed by JST) at the center of the wire barrel and at the center of the insulation barrel.

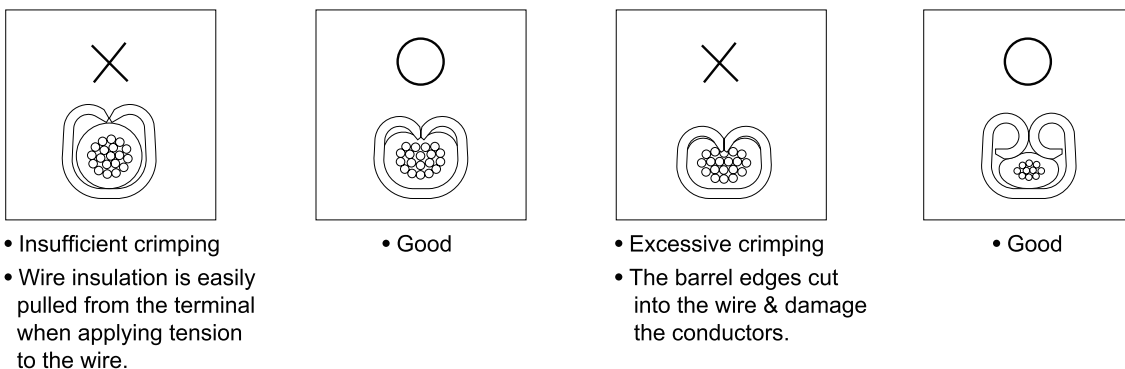


2) Crimping height for wire barrel

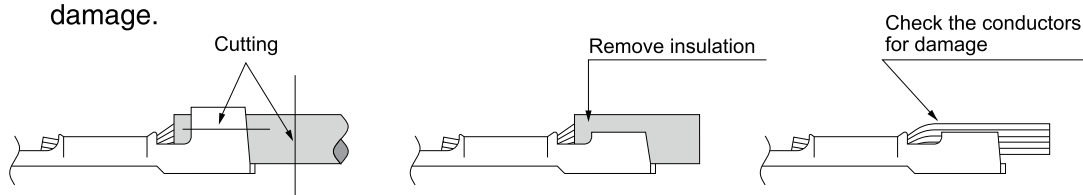
Set the crimping height of the wire conductor barrel within the range specified by JST.

3) Crimping height for insulation barrel

Adjust the crimping height of the insulation barrel in relation to the outer diameter of the wire insulation and wire type. Determine the range of crimping height for insulation barrel so that it is not crimped excessive nor too loosely.



Check: Cut off the insulation support and remove the wire insulation, then check the wire conductors for damage.



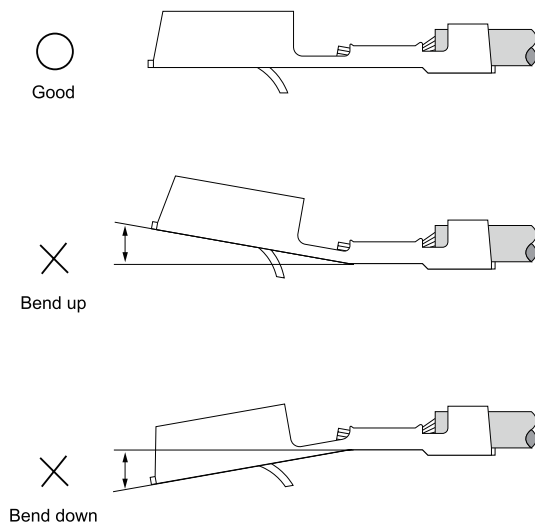
Precaution for Crimping Process

3.4 Crimped Appearance

Check crimped appearance visually (using loupe etc.) in order to confirm correct crimping condition.
As the inspection items change with each terminal, an example is shown below.
Check the Handling Manual for each terminal or connector about the specific details to be checked.

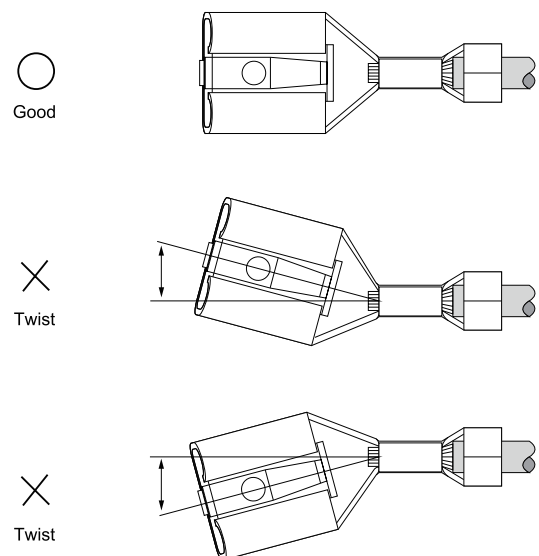
Bend up & Bend down

Check the angle of bend up or bend down at the wire barrel.



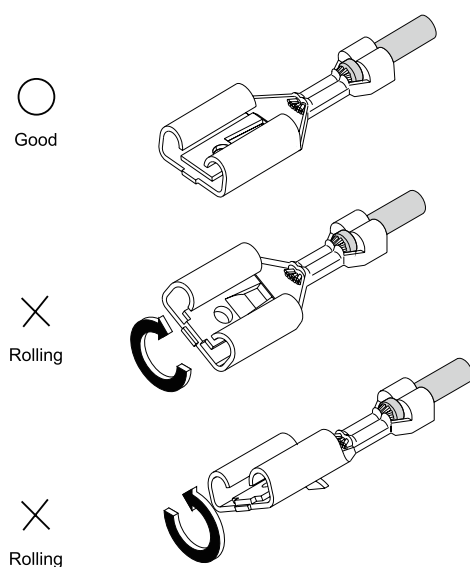
Twist

Check the angle of twist at the wire barrel.



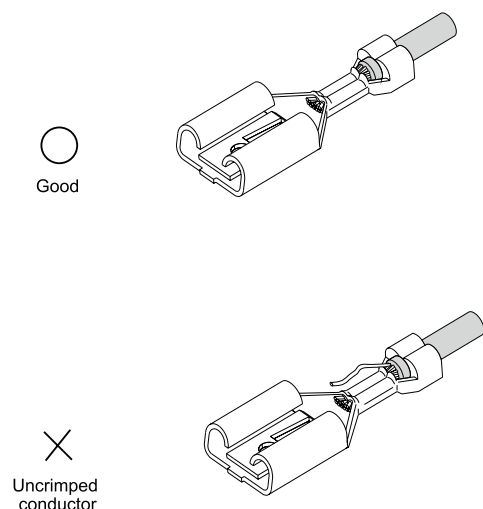
Rolling

Check the angle of rolling at the wire barrel.



Uncrimped Conductor

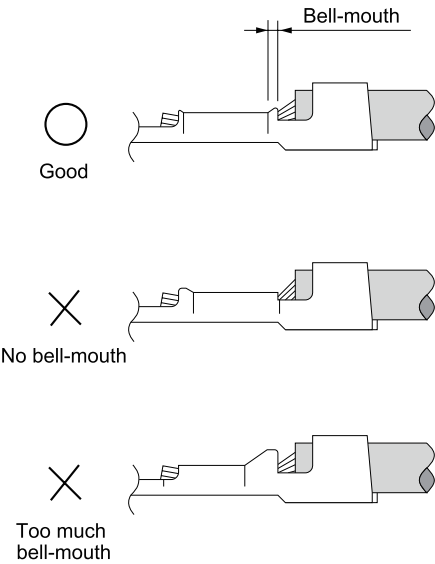
Check that there are no uncrimped conductors at the wire barrel.



Precaution for Crimping Process

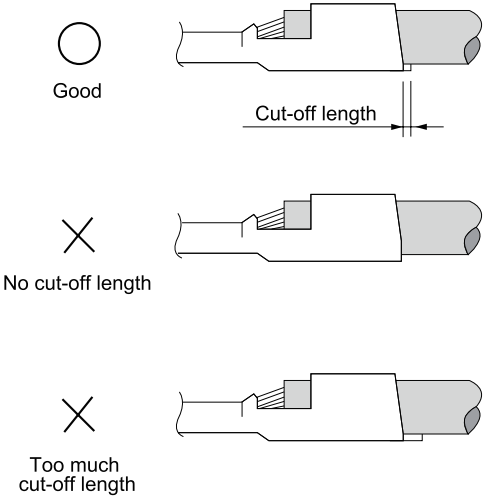
Bell-mouth

Check bell-mouth size.



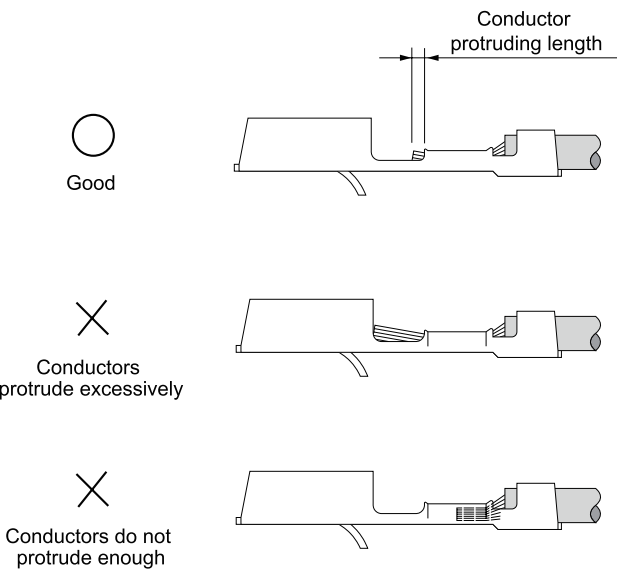
Cut-off Length

Check cut-off length.



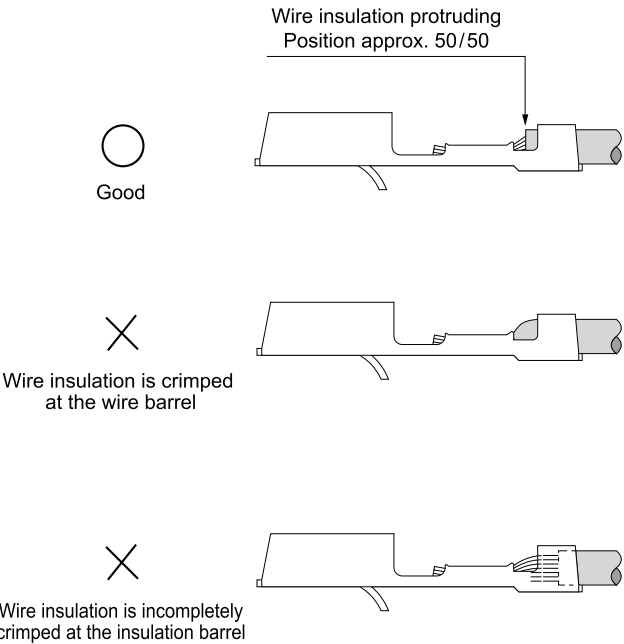
Wire Conductor Protruding Length

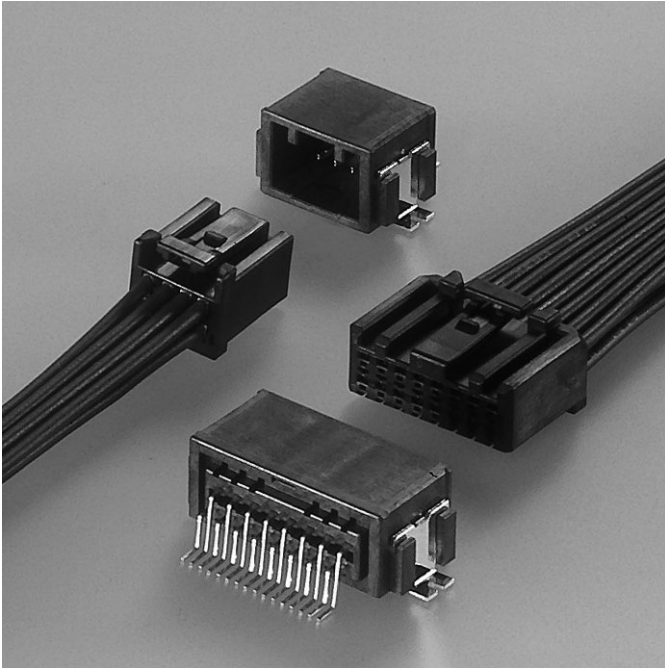
Check the conductors are crimped at the correct position of whole wire barrel.



Wire Insulation Protruding Position

Check the wire insulation is held by the whole insulation barrel and crimped at the wire barrel, so that a “window” of conductor is seen between the wire and insulation barrel approximately 50/50.





Developed in pursuit of miniaturization and low profile as PC board connector for automobile.
This connector is surface mounting type connector having the spring structure on male terminal disproving the conventional concept.

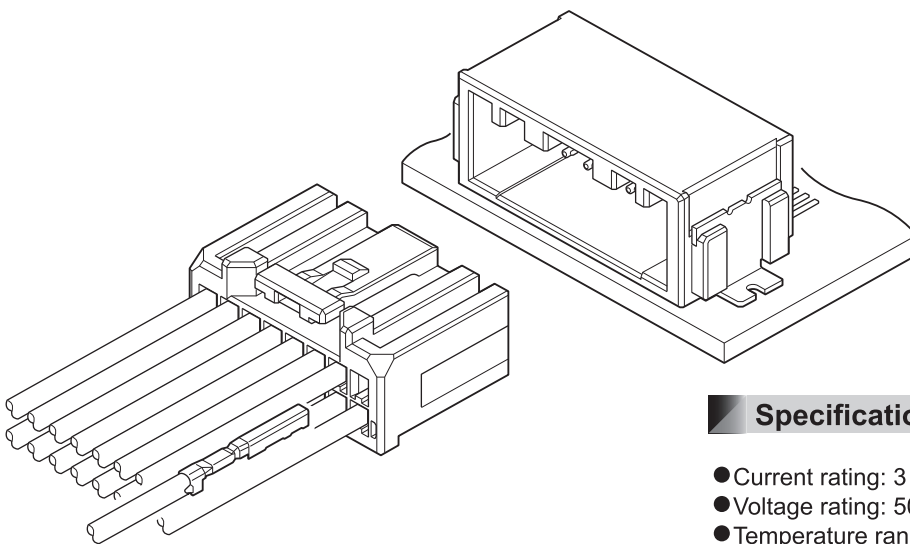
Features

● Compact design

2.0 mm pitch is realized miniaturization and low profile as the connector for automobile.

● Terminal construction

Female terminal is designed for simple box structure by having spring structure on male terminal.



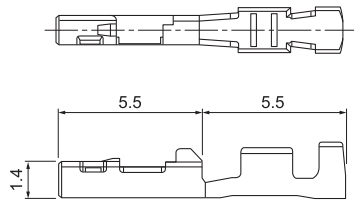
Specifications

- Current rating: 3 A AC, DC (0.3 mm², Single circuit)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AESX-f/ AVSS
0.3 mm²

* Compliant with ELV/RoHS2.

* Contact JST for details.

Female terminal

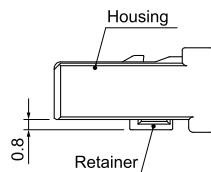
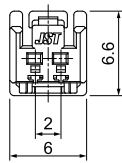
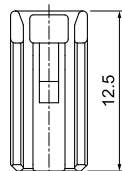


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SCPT-A021GF-0.5	0.3	1.4	15,000
Material and Finish			
Brass, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

Female connector

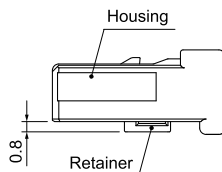
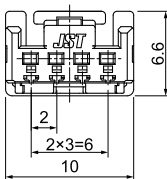
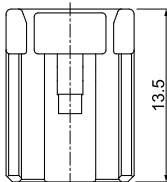
Single row

●2 circuits

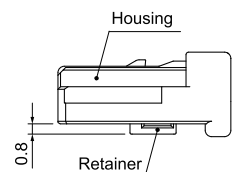
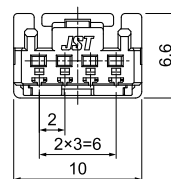
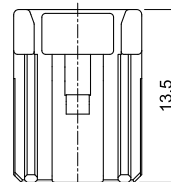


●4 circuits

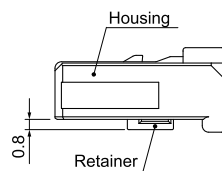
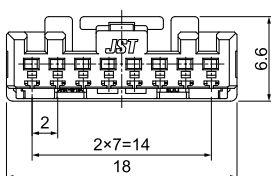
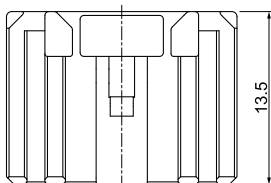
04CPT-B1-2A



04CPT-B1-2B



●8 circuits



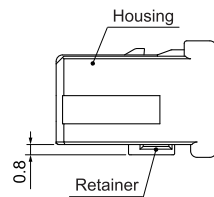
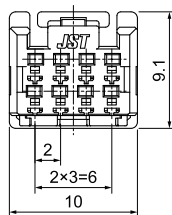
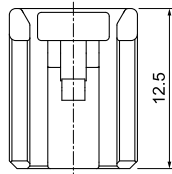
Circuits	Model No.	Q'ty/box
2	02CPT-B-2A	500
4	04CPT-B1-2A	600
	04CPT-B1-2B	
8	08CPT-B1-2A	400
Material and Finish		
Housing: Glass-filled PBT, Black Retainer: Glass-filled PBT, Blue		

CPT CONNECTOR

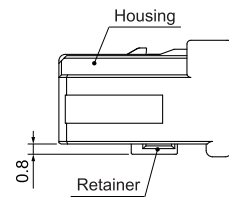
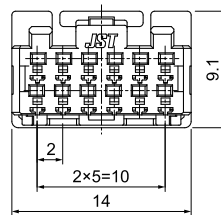
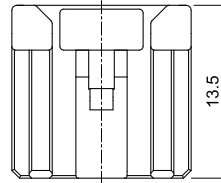
Female connector

Dual row

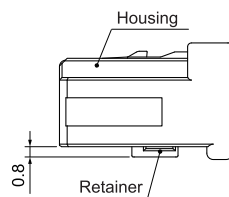
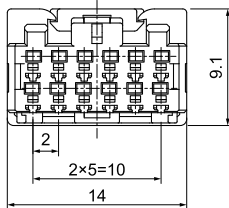
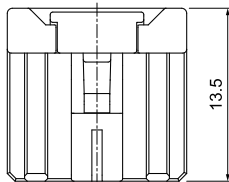
● 8 circuits



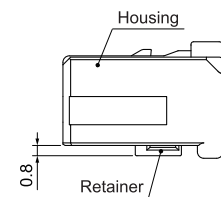
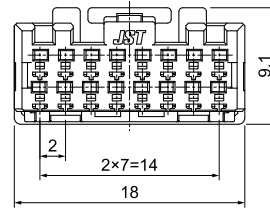
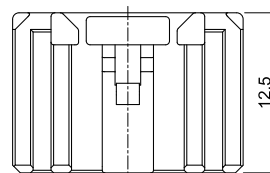
● 12 circuits 12CPT-B-2A



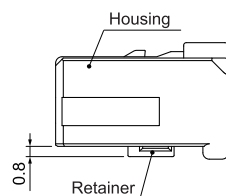
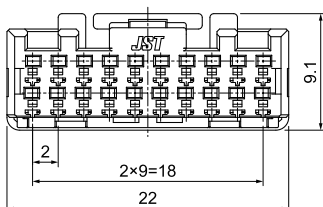
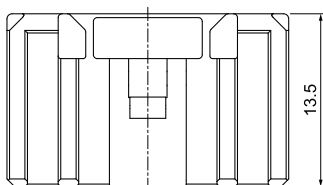
● 12 circuits 12CPT-B-2A-FL



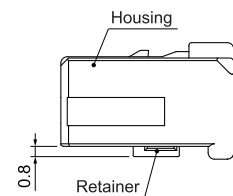
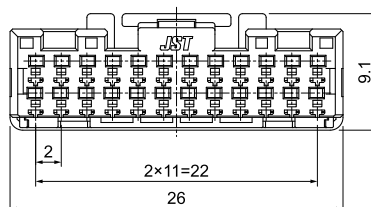
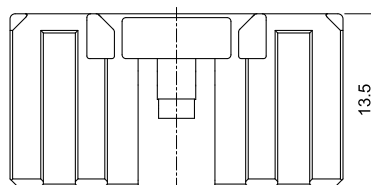
● 16 circuits



● 20 circuits



● 24 circuits



Circuits	Model No.	Q'ty/box
8	08CPT-B-2A	500
12	12CPT-B-2A	300
	12CPT-B-2A-FL	
16	16CPT-B-2A	250
20	20CPT-B-2A	250
24	24CPT-B-2A	200

Material and Finish

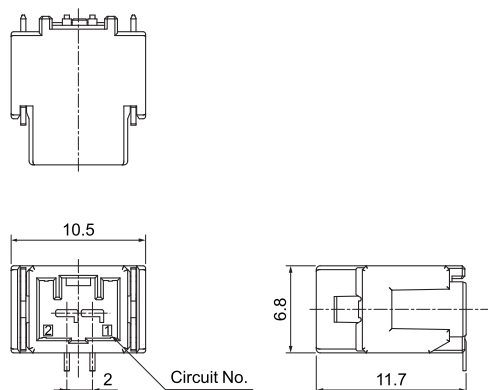
Housing: Glass-filled PBT, Black
Retainer: Glass-filled PBT, Blue

Male connector

Top entry type

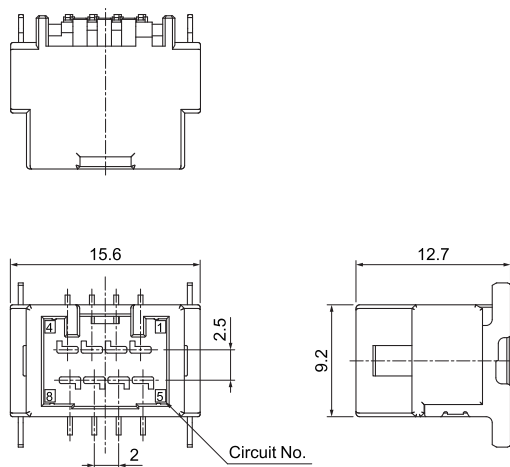
Single row

●2 circuits

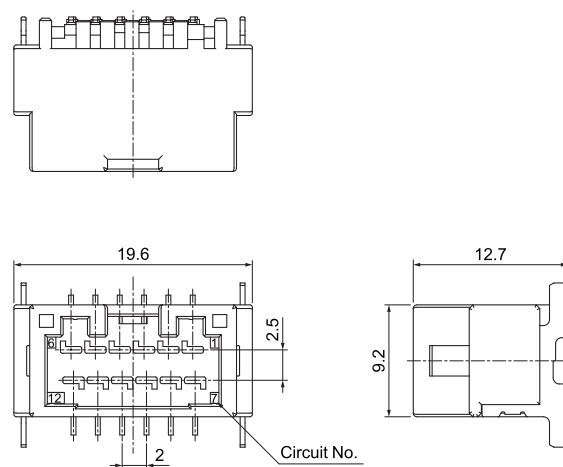


Dual row

●8 circuits



●12 circuits



Type		Circuits	Model No.	Q'ty/reel
Top	Single row	2	BM02B-CPTK-1A-TB	370
	Dual row	8	BM08B-CPTK-1A-TB	240
		12	BM12B-CPTK-1A-TB	

Material and Finish

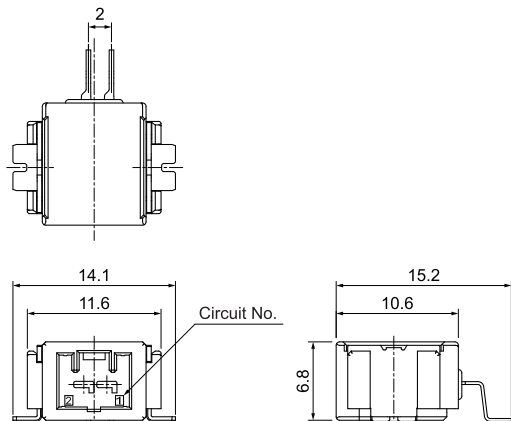
Terminal: Copper alloy, nickel-undercoated,
 Contact area; gold-plated
 Solder tail; tin-plated (reflow treatment)
 Housing: Glass-filled LCP, Black
 Peg: Brass, nickel-undercoated, tin-plated (reflow treatment)

Male connector

Side entry type

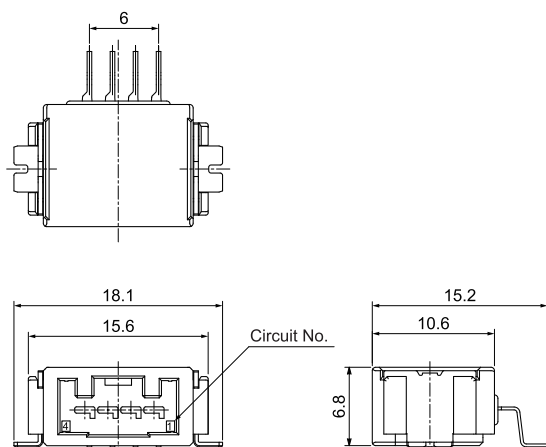
Single row

●2circuits

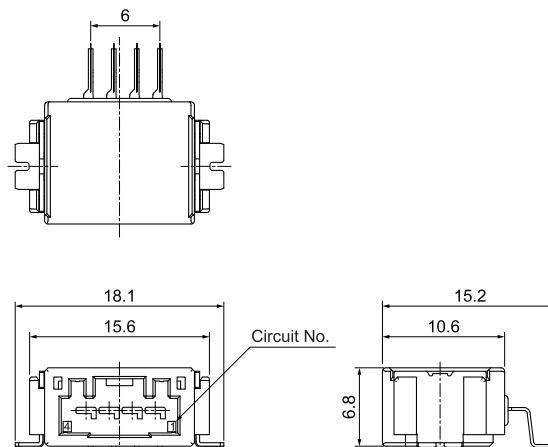


●4 circuits

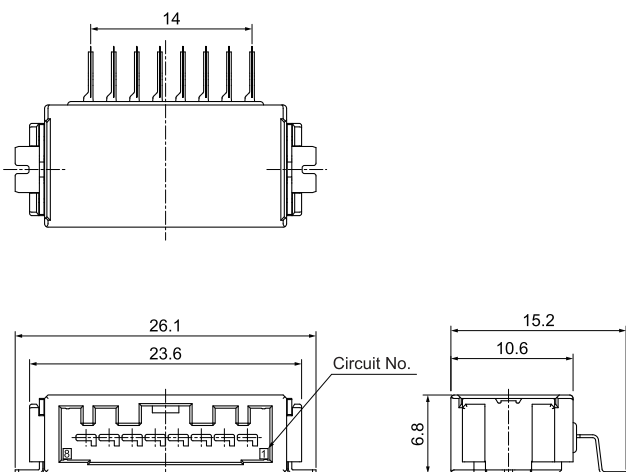
SM04B1-CPTK-1A-TB



SM04B1-CPTK-1B-TB



●8 circuits



Type	Circuits	Model No.	Q'ty/reel
Side	Single row	2	500
		SM02B-CPTK-1A-TB	
		SM04B1-CPTK-1A-TB	
		SM04B1-CPTK-1B-TB	
		8	
		SM08B1-CPTK-1A-TB	

Material and Finish

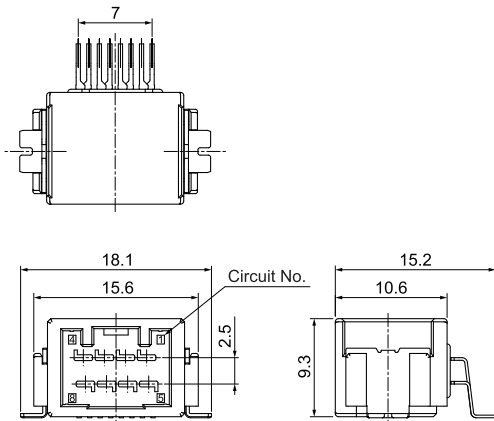
Terminal: Copper alloy, nickel-undercoated,
Contact area; gold-plated
Solder tail; tin-plated (reflow treatment)
Housing: Glass-filled LCP, Black
Peg: Brass, nickel-undercoated, tin-plated (reflow treatment)

Male connector

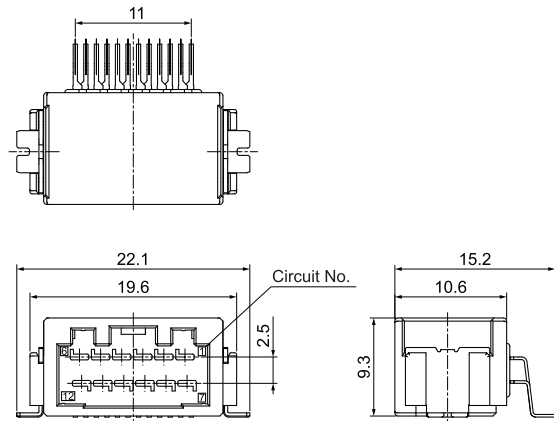
Side entry type

Dual row

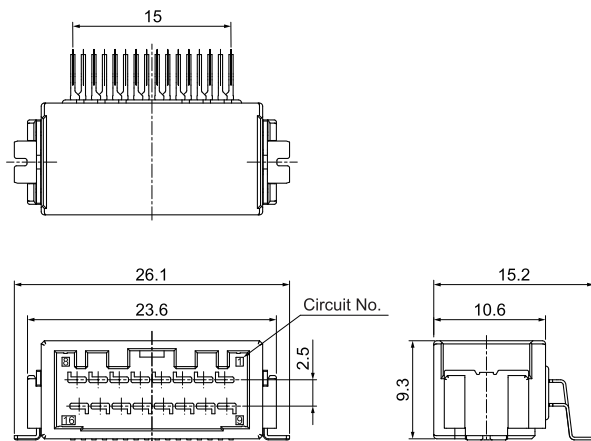
●8 circuits



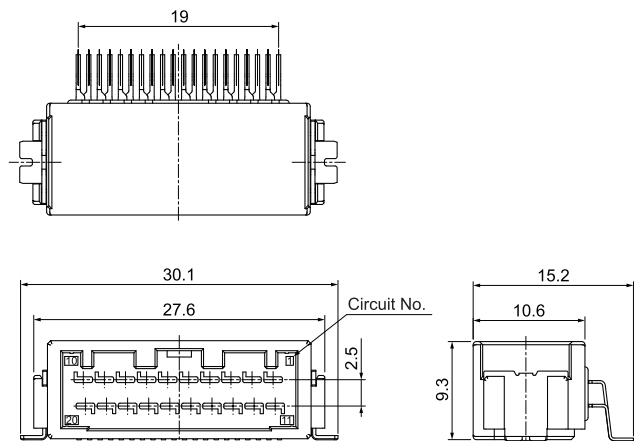
●12 circuits



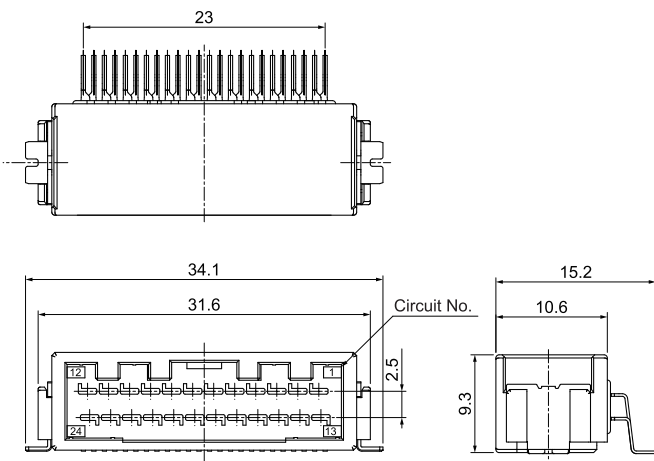
●16 circuits



●20 circuits



●24 circuits



Type	Circuits	Model No.	Q'ty/reel
Side	Dual row	8	390
		12	
		16	
		20	
		24	

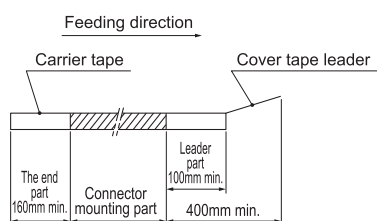
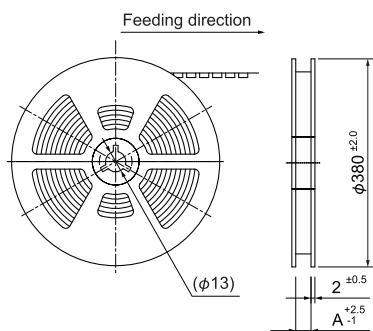
Material and Finish

Terminal: Copper alloy, nickel-undercoated,
Contact area; gold-plated
Solder tail; tin-plated (reflow treatment)
Housing: Glass-filled LCP, Black
Peg: Brass, nickel-undercoated, tin-plated (reflow treatment)

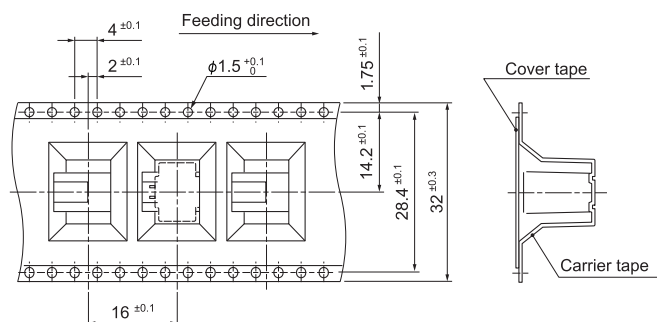
Taping Specifications

Top entry type

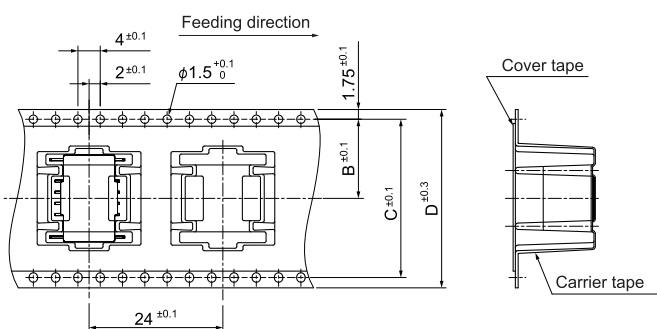
● 2, 8, 12 circuits



● 2 circuits



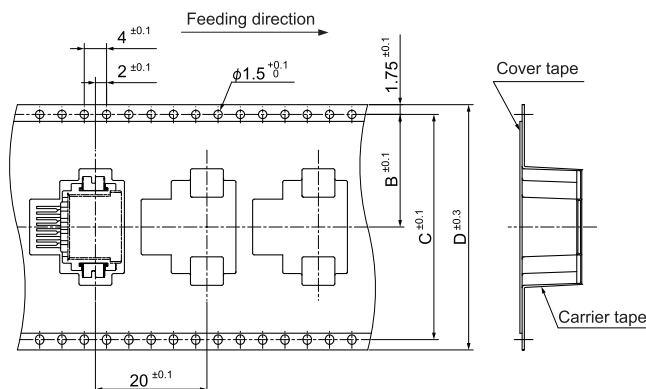
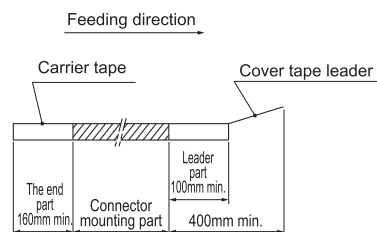
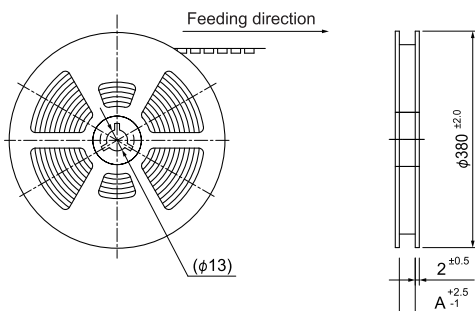
● 8, 12 circuits



Type	Circuits	A	B	C	D
Single row	2	33.5	—	—	—
Dual row	8	33.5	14.2	28.4	32
	12	45.5	20.2	40.4	44

Side entry type

● 2, 4, 8, 12, 16, 20, 24 circuits



Type	Circuits	A	B	C	D
Single row	2	33.5	14.2	28.4	32
	4	33.5	14.2	28.4	32
	8	45.5	20.2	40.4	44
Dual row	8	45.5	20.2	40.4	44
	12	45.5	20.2	40.4	44
	16	45.5	20.2	40.4	44
	20	45.5	20.2	40.4	44
	24	57.5	26.2	52.4	56

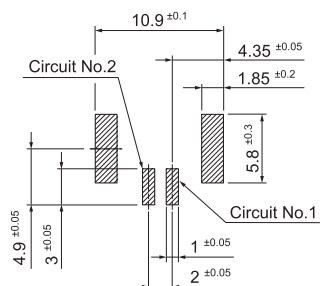
PC board layout, Assembly layout

Top entry type

PC board layout

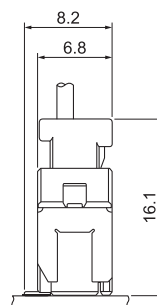
Single row

●2 circuits



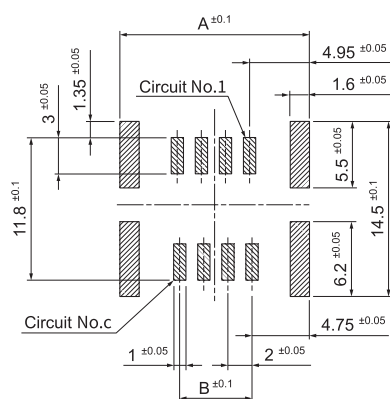
Assembly layout

●2 circuits

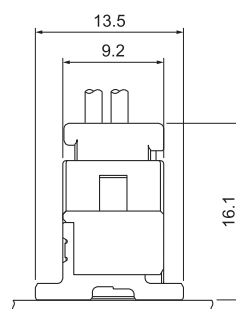


Dual row

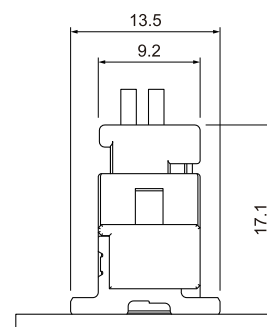
●8, 12 circuits



●8 circuits



●12 circuits



Circuits	A	B
8	15.7	6
12	19.7	10

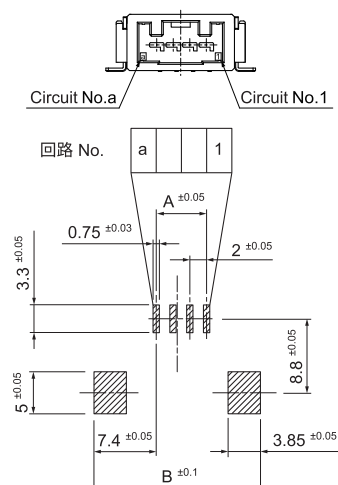
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

2. The dimensions above should serve as guideline. Contact JST for details.

PC board layout, Assembly layout

Side entry type PC board layout Single row

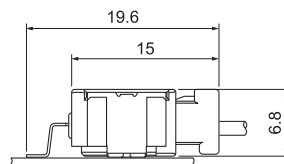
●2, 4, 8 (Single) circuits



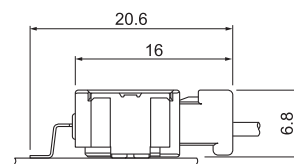
Circuits	A	B
2	2	15.8
4	6	19.8
8 (Single)	14	27.8

Assembly layout

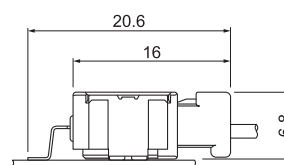
●2 circuits



●4 circuits

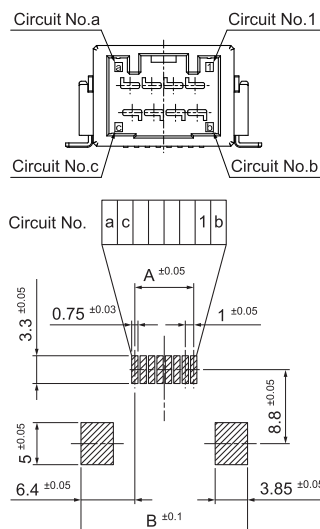


●8 (Single) circuits



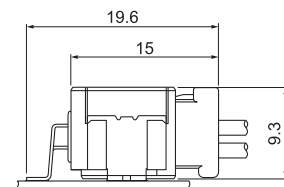
Dual row

●8 (Dual), 12, 16, 20, 24 circuits

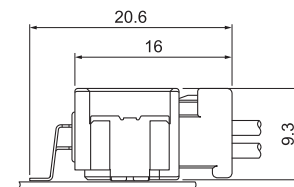


Circuits	A	B
8 (Dual)	7	19.8
12	11	23.8
16	15	27.8
20	19	31.8
24	23	35.8

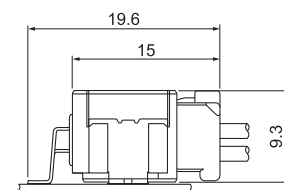
●8 (Dual) circuits



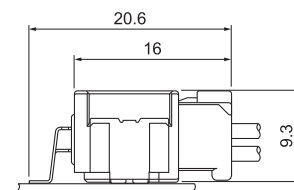
●12 circuits



●16 circuits



●20, 24 circuits

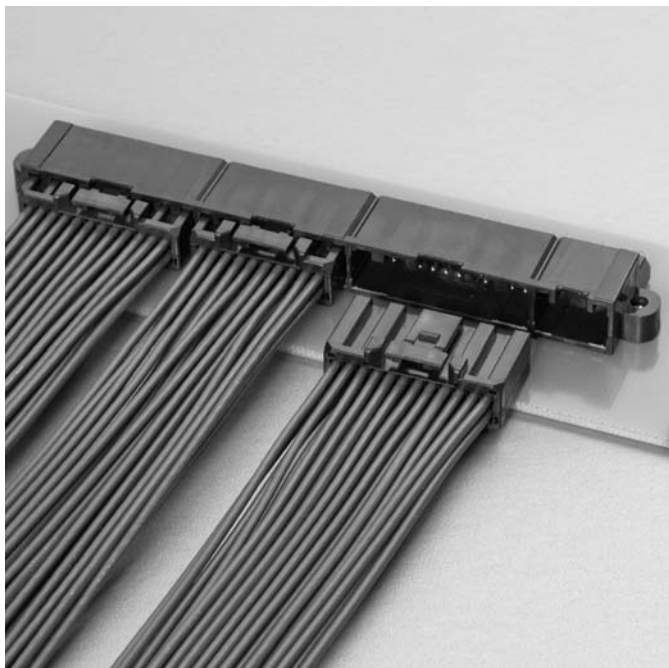


Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SCPT-A021GF-0.5	AP-K2N	MK/SCPT-A021-05	APLMK SCPT-A021-05

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

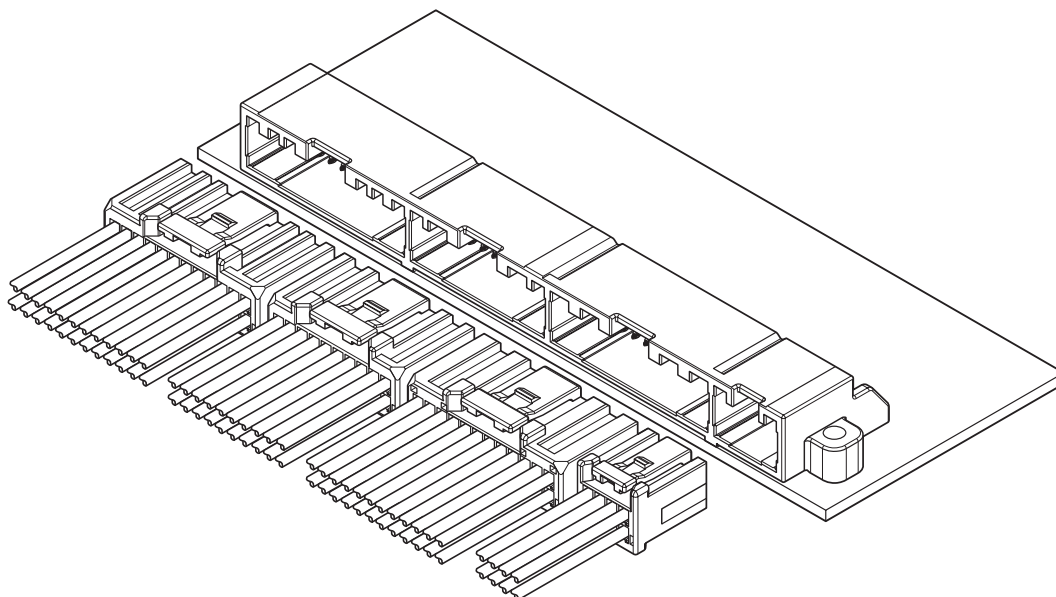
● Multi-circuit and Compact design

Although this connector is multi-circuit, the miniaturization and low profile are realized by unification of frontage and 2.0 mm pitch.

● Terminal construction

By having given a spring structure to the male terminal, the female terminal can be made into a simple box shape structure.

Developed in pursuit of multi-circuit, miniaturization and low profile as PC board connector for automobile.
This connector is dip type connector having the spring structure on male terminal.

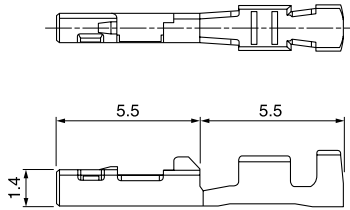


Specifications

- Current rating: 3 A AC, DC (0.3 mm², Single circuit)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AESX-f/ AVSS
0.3 mm² (AWG #22)

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



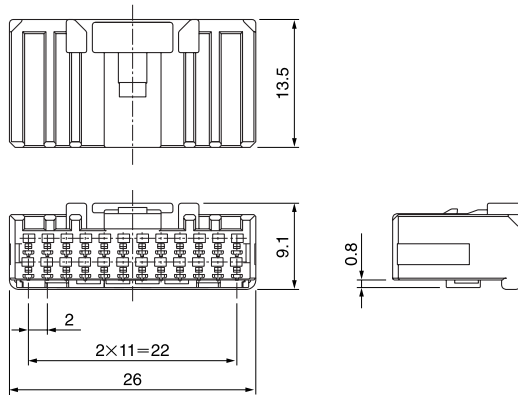
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SCPT-A021GF-0.5	0.3	1.4	15,000

Material and Finish

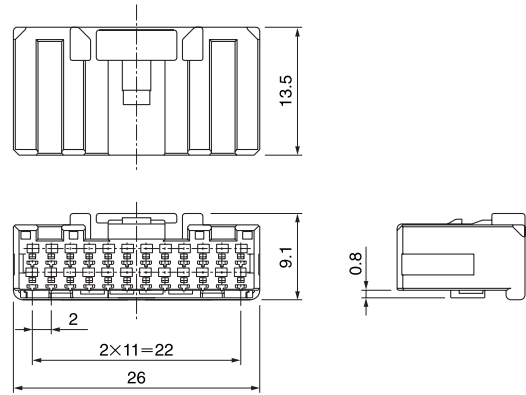
Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector

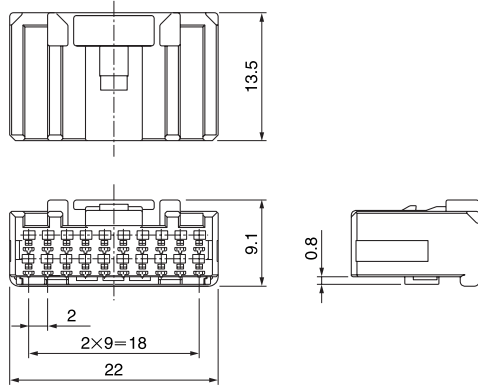
A Block



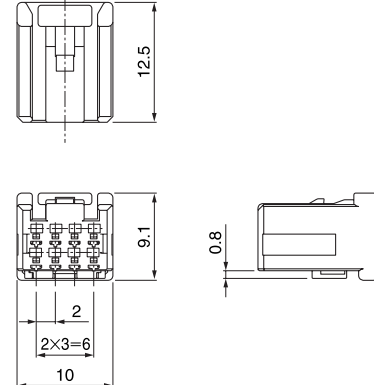
C Block



B Block



D Block



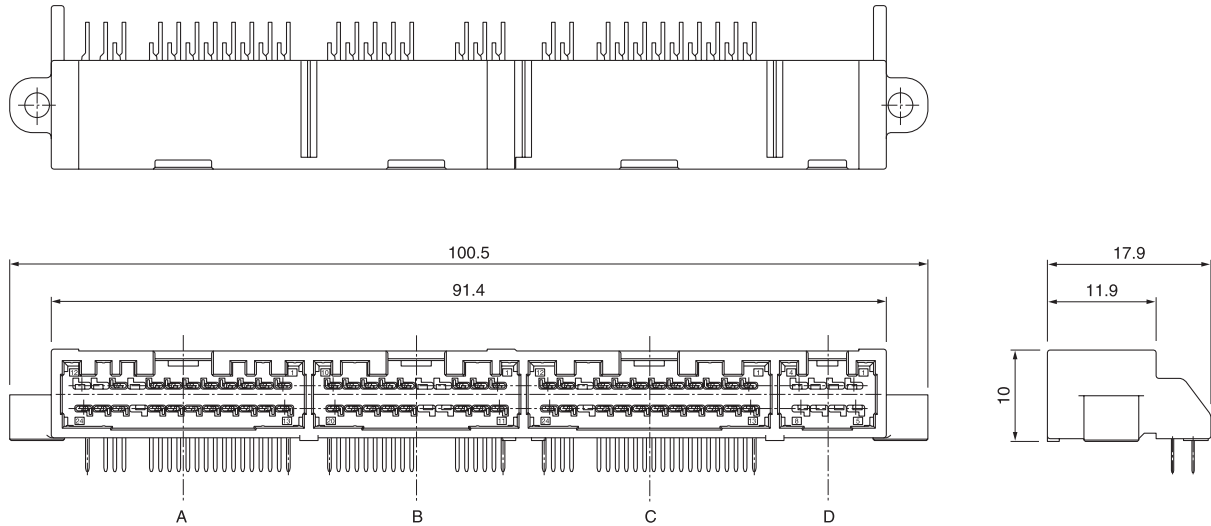
Type	Circuits	Model No.	Q'ty/box
A Block	24	24CPT-B-2B	200
B Block	20	20CPT-B-2A	250
C Block	24	24CPT-B-2A	200
D Block	8	08CPT-B-2A	500

Material

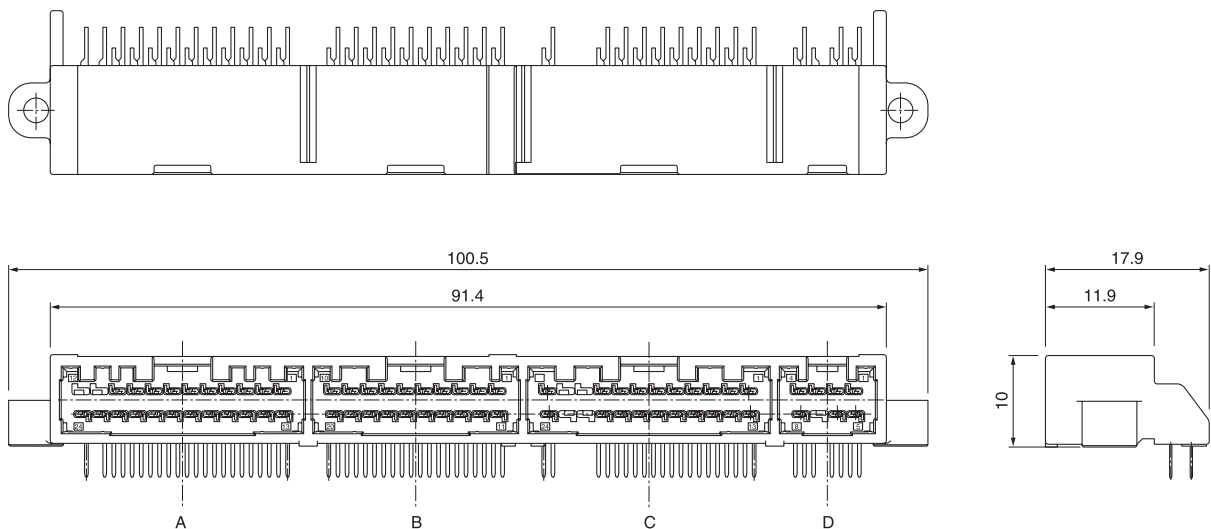
Housing: Glass-filled PBT, black
Retainer: Glass-filled PBT, blue

Male connector

● 58 circuits



● 69 circuits



Circuits	Model No.	Q'ty/box
58	S58B-CPIK-1A (M)	450
69	S69B-CPIK-1A (M)	450
Material and Finish		
Terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated Solder tail; tin-plated (reflow treatment)		
Housing: Glass-filled SPS, black		

Figure 1 is a technical drawing of a shaft assembly. The drawing shows a shaft with various diameters and features. The shaft is supported by bearings, and the drawing includes dimension lines and callouts for various parts and features.

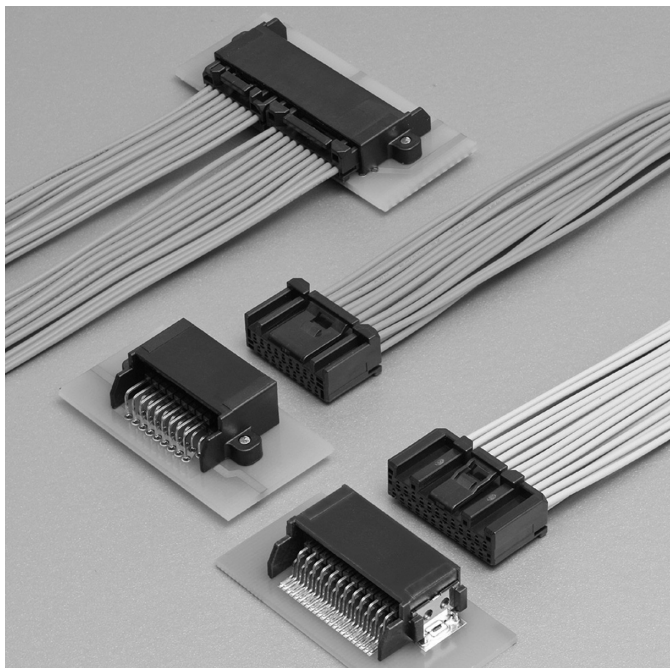
The shaft has a central section with a diameter of 3.4 ± 0.05 . This section is flanked by two sections with diameters of 94.5 and 9.45 . The shaft is supported by bearings, and the drawing includes dimension lines and callouts for various parts and features.

Key features and dimensions include:

- Central shaft diameter: 3.4 ± 0.05
- Keyway width: 0.2
- Keyway depth: 0.1
- Hole diameter: 0.7 ± 0.1
- Hole diameter: 0.1
- Shaft diameters: 94.5 , 9.45 , 8.5 , 12.5 , 14.5 , 16.5 , 18.5 , 20.5 , 22.5 , 24.5 , 26.5 , 32 , 34 , 36 , 38 , 40 , 46 , 48 , 50 , 55.5 , 57.5 , 61.5 , 63.5 , 65.5 , 67.5 , 69.5 , 71.5 , 73.5 , 75.5 , 77.5 , 8.95 , 6.7 , 5.5 , 7.5 , 9.5 , 13.5 , 15.5 , 17.5 , 19.5 , 21.5 , 23.5 , 25.5 , 27.5 , 33 , 35 , 37 , 39 , 41 , 47 , 49 , 51 , 56.5 , 58.5 , 62.5 , 64.5 , 66.5 , 68.5 , 70.5 , 72.5 , 74.5 , 76.5 , 78.5

Crimping machine, Applicator

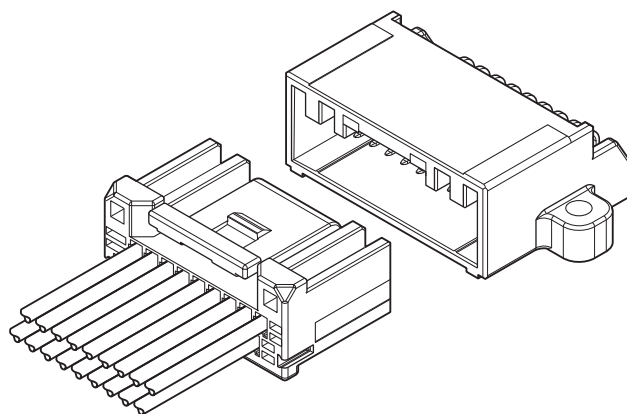
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

● Miniaturization and Low profile

0.50 terminal with 2.0 mm(W) X 2.5 mm(H) pitch is realized miniaturization and low profile.



Developed in pursuit of miniaturization and low profile connector for automotive.
0.50 terminal with 2.0 mm pitch realized miniaturization.

Specifications

- Current rating: 3 A AC, DC (0.3 mm²)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +125°C (gold-plated)
-40°C to +105°C (tin-plated)
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AESSX 0.3 mm², UL3265 0.3 mm²
(Equivalent to AWG#22, Insulation O.D. φ1.5 mm max.)

* Compliant with ELV/RoHS2.

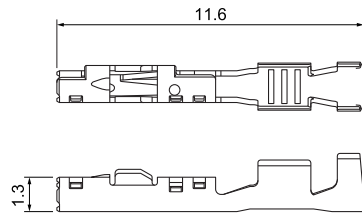
* Contact JST for details.

Product line-up

Type	No. of circuits	Female side	Male side			Remarks
			Dip type	SMT type	SMT type with flange	
Single row	5	○	○	○		Different key codes (A,B) are available.
	8	○				
	10	○				
	18		○			
Dual row	10	○	○	○	○	
	12	○		○		
	18	○	○			
	20	○		○	○	Different key codes (A,B,C,D,E,F) are available.
	24	○		○	○	Different key codes (A,B,C,D,E,F) are available.

○ : Available

Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
① SMEC-A021GF-M0.5	0.3	1.5 max.	10,000
② SMEC-A021T-M0.5			

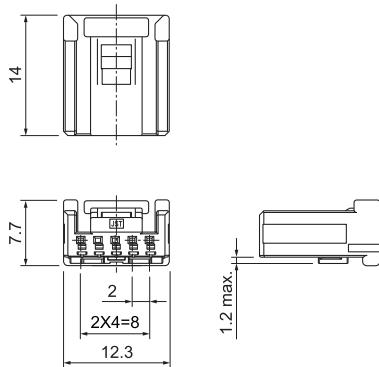
Material and Finish

- ① Copper alloy, Contact area; gold-plated
Barrel area; tin-plated
- ② Copper alloy, tin-plated

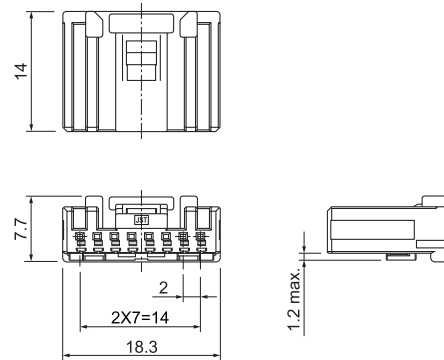
Female connector

Single row

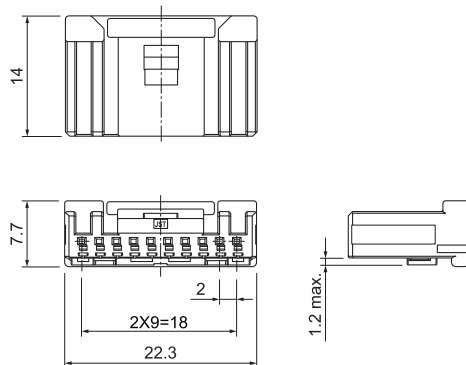
●5 circuits



●8 circuits



●10 circuits



Type	Circuits	Model No.	Q'ty/box
Single row	5	※ 05MEC-B-1A	400
	8	08MEC-B-1A	300
	10	10MEC-B-1A	200

Material and Finish

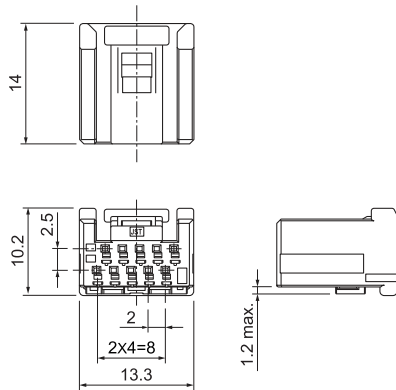
Housing: Glass-filled PBT, Black
Retainer: Glass-filled PBT, Blue

※: Key codes other than above-mentioned housing are also available.
Contact JST for details.

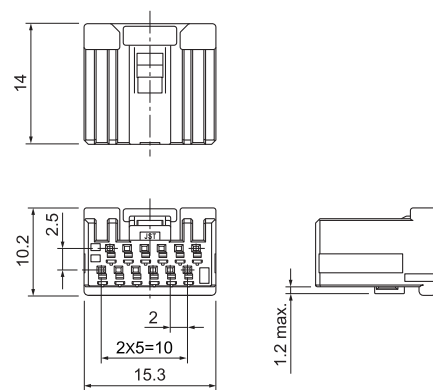
Female connector

Dual row

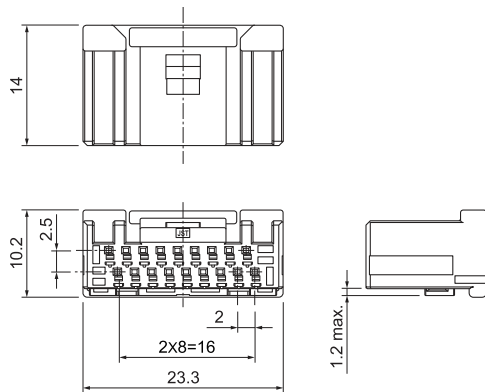
● 10 circuits



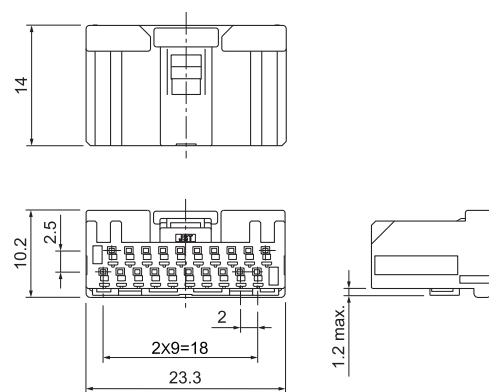
● 12 circuits



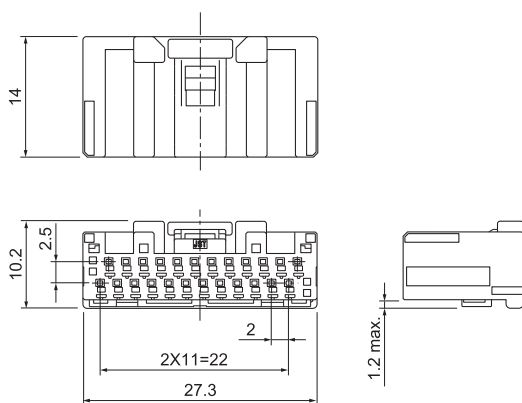
● 18 circuits



● 20 circuits



● 24 circuits



Type	Circuits	Model No.	Q'ty/box
Dual row	10	① 10MEC-B-2A	250
	12	① 12MEC-B-2A	200
	18	① 18MEC-B-2A	150
	20	※ ② 20MEC-B-2A()	150
	24	※ ① 24MEC-B-2A()	100

Material and Finish

Housing: Glass-filled PBT, Black

Retainer: ① Glass-filled PBT, Blue

② Glass-filled PBT, Natural (white)

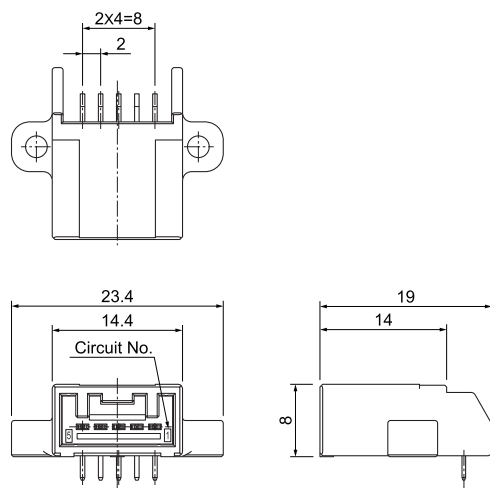
※: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

Male connector

DIP type

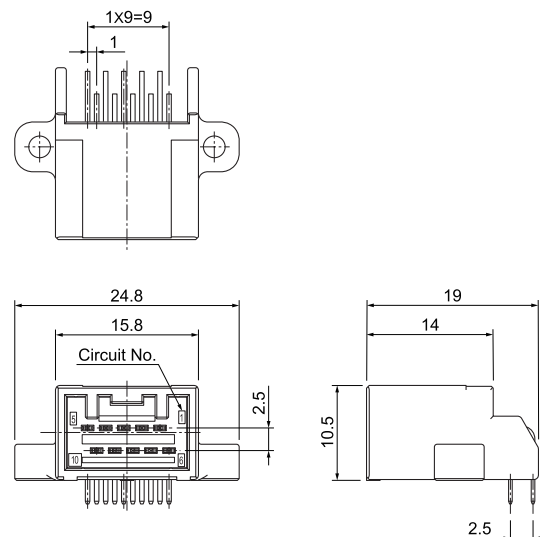
Single row

●5 circuits

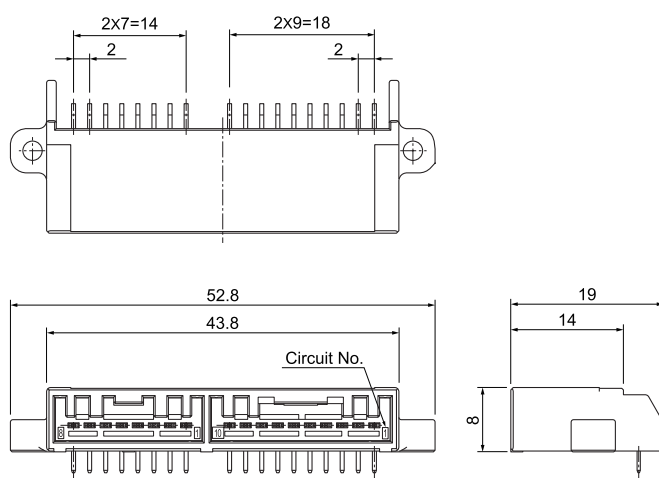


Dual row

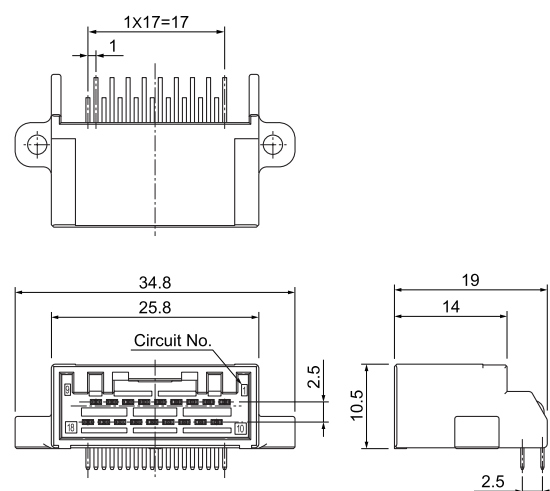
●10 circuits



●18 (10+8) circuits



●18 circuits



Type	Circuits	Model No.	Q'ty/box
Single row	5	S05B-MECK-1GA-A	700
	18 (10+8)	S18B-MECK-1GA-A	350
Dual row	10	S10B-MECK-2GA-A	504
	18	S18B-MECK-2GA-A	392

Material and Finish

Housing: Glass-filled PBT, Black

Terminal: Copper alloy, Contact area; gold-plated

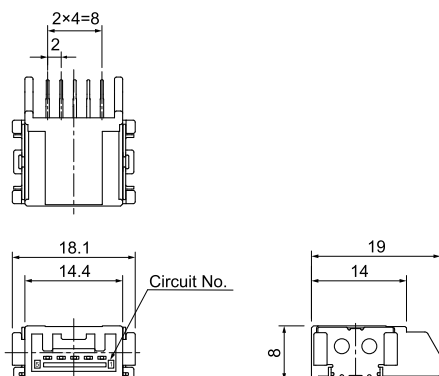
Barrel area; tin-plated (reflow treatment)

(Note) In addition to the above, tin-plated type product is also available.
Contact JST for details.

Male connector

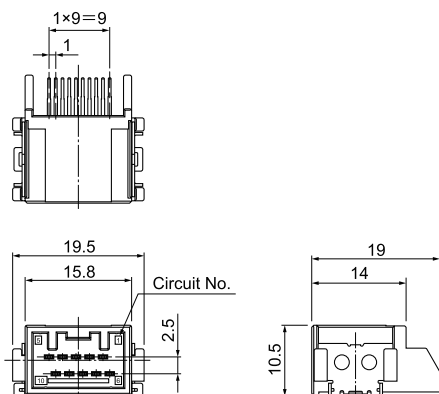
SMT type Single row

● 5 circuits

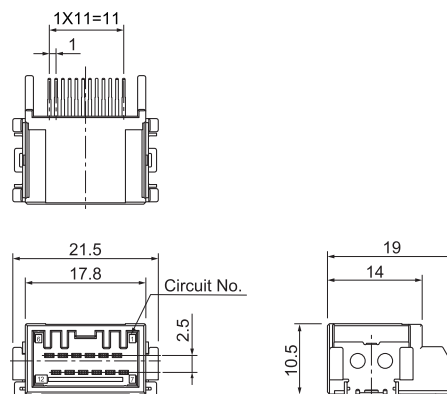


Dual row

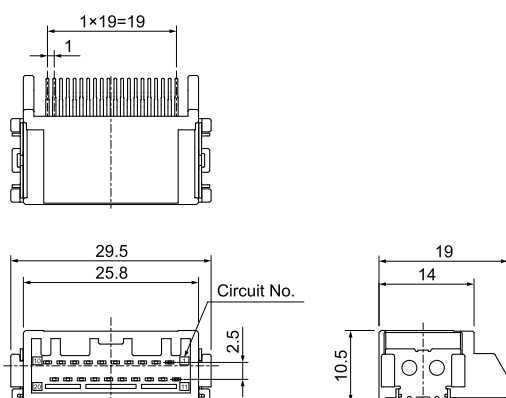
● 10 circuits



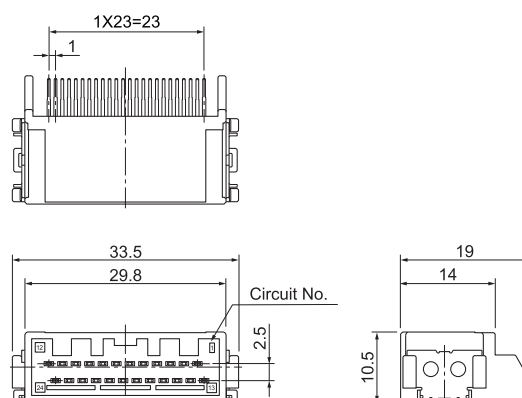
● 12 circuits



● 20 circuits



● 24 circuits



Type	Circuits	Model No.	Q'ty/reel
Single row	5	※2	
Dual row	10	① SM10B-MECK-2GA-A-TB	200
	12	① SM12B-MECK-2GA-A-TB	200
	20	※1 ② SM20B-MECK-2TA()-A-TB	200
	24	※1 ② SM24B-MECK-2TA()-A-TB	200

Material and Finish

Housing: Glass-filled LCP, Black

Terminal: ① Copper alloy, Contact area; gold-plated
Barrel area; tin-plated (reflow treatment)

② Copper alloy, tin-plated (reflow treatment)

Note) ※1: Key codes other than above-mentioned housing are also available. Contact JST for details.

※2: Contact JST for details of 5 circuits.

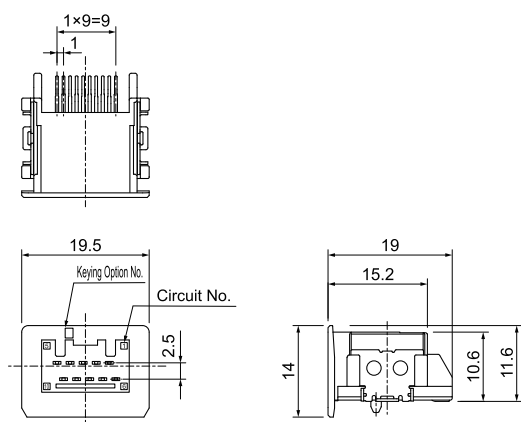
In addition to the above, different plating type product is also available. Contact JST for details.

Male connector

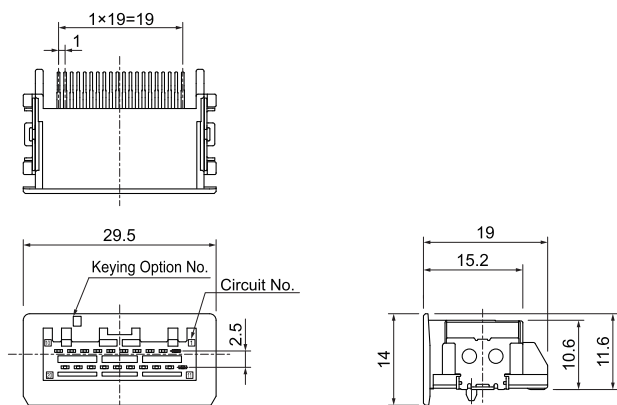
SMT type

Dual row (with flange)

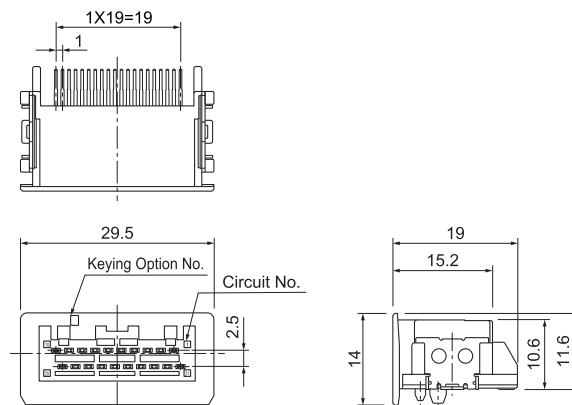
● 10 circuits



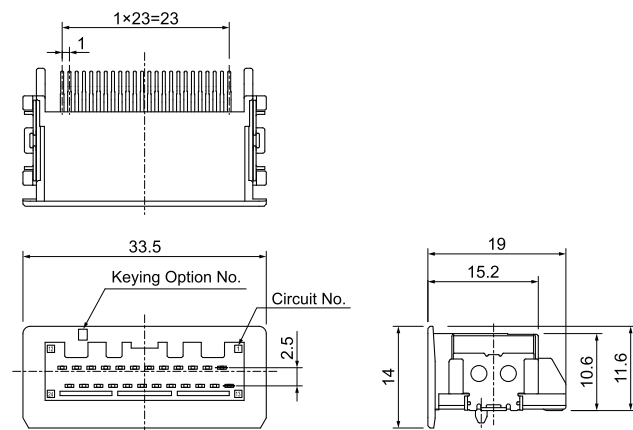
● 20 circuits (SM20B-MECK-2TE()-A-TB)



● 20 circuits (SM20B-MECK-2TC()-A-TB)



● 24 circuits



Type	Circuits	Model No.	Q'ty/reel
Dual row	10	※2	
	20	※1 ① SM20B-MECK-2TE()-A-TB	200
		※1 ② SM20B-MECK-2TC()-A-TB	200
	24	※2	

Material and Finish

Housing: Glass-filled LCP, Black

Terminal: ① Copper alloy, tin-plated (reflow treatment)

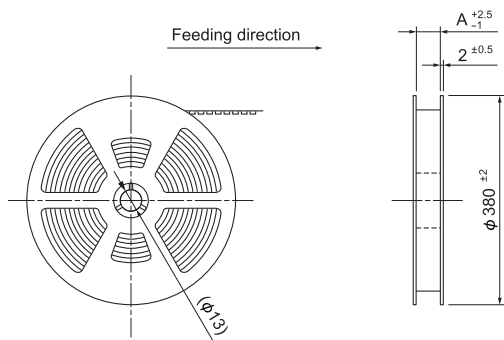
② Copper alloy, tin-plated

Note: ※1: Key codes other than above-mentioned housing are also available. Contact JST for details.

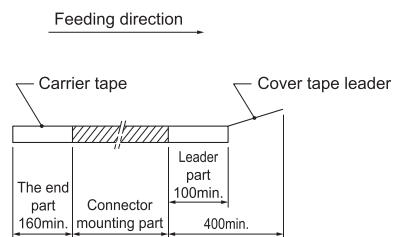
※2: Contact JST for details of 10 and 24 circuits.

In addition to the above, gold-plated type product is also available. Contact JST for details.

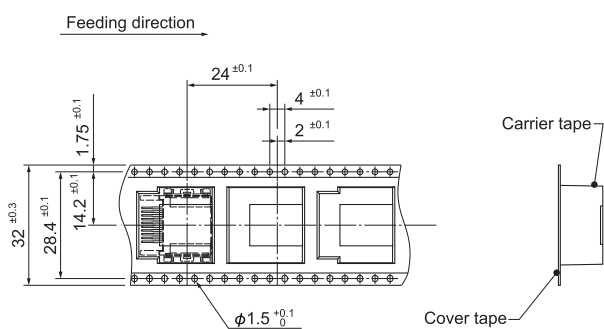
Taping specifications



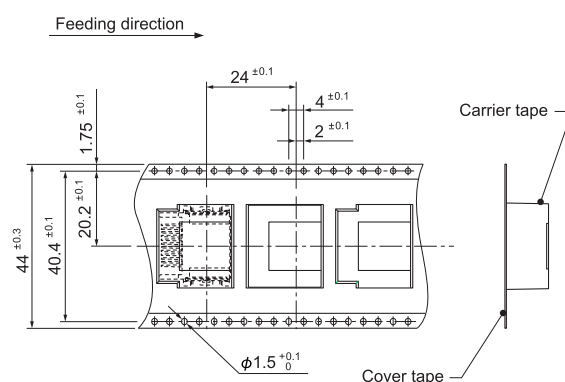
Circuits	A
10	33.5
12	45.5
20	45.5
24	57.5



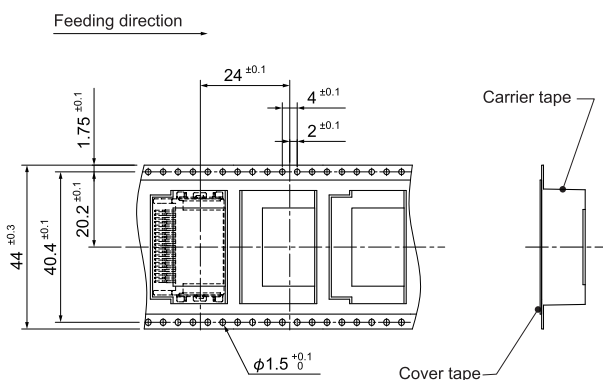
●10 circuits



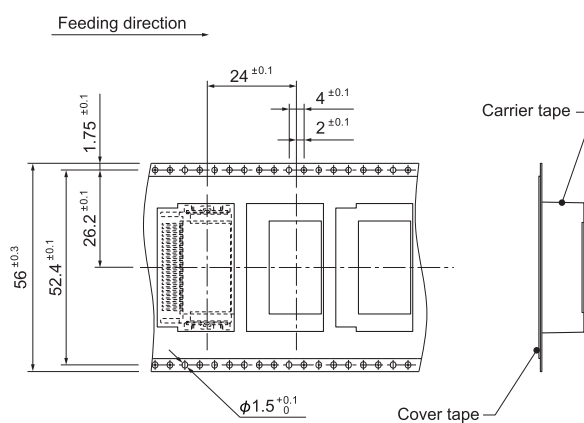
●12 circuits



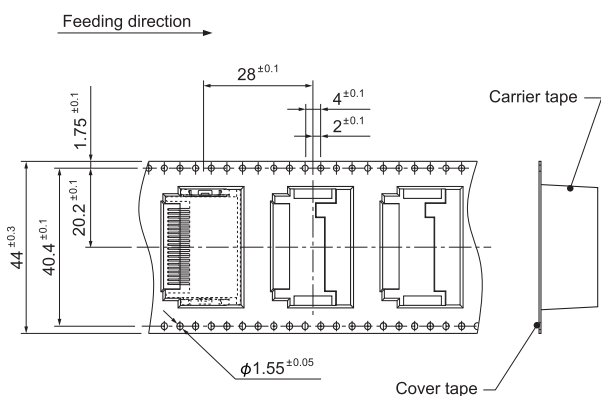
●20 circuits



●24 circuits



●20 circuits (with flange)

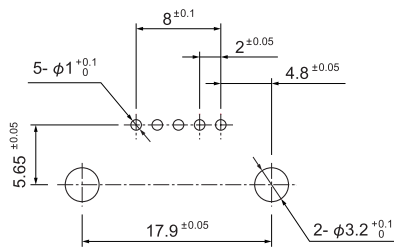


PC board layout, Assembly layout

DIP type

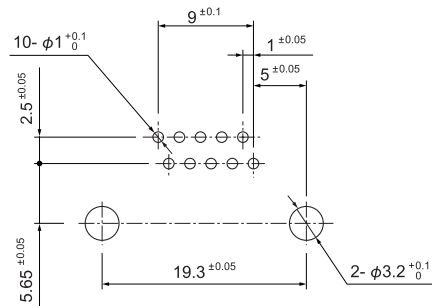
Single row

●5 circuits

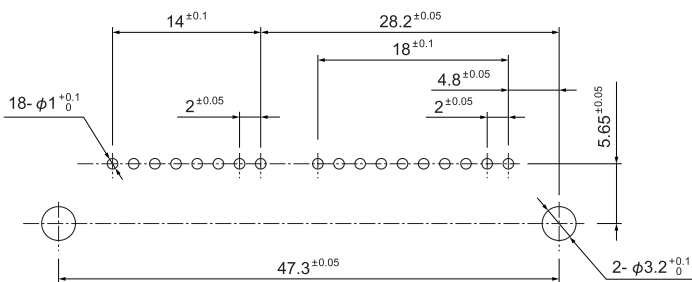


Dual row

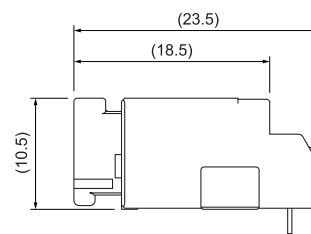
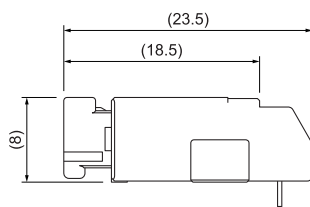
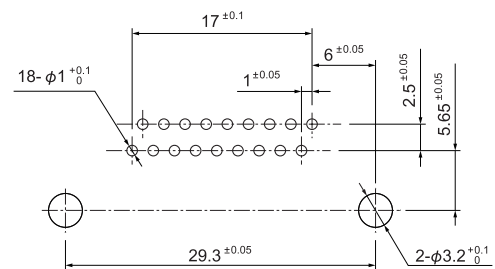
●10 circuits



●18 (10+8) circuits



●18 circuits



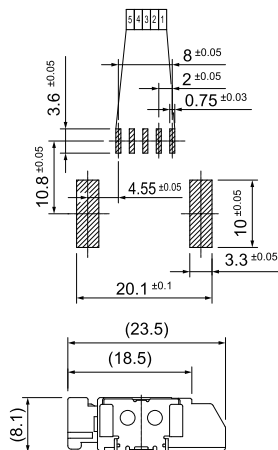
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
 2. Hole dimensions differ according to the type of PC board and piercing method.
 The dimensions above should serve as guideline. Contact JST for details.

PC board layout, Assembly layout

SMT type

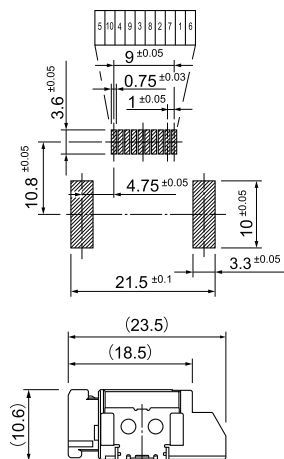
Single row

●5 circuits

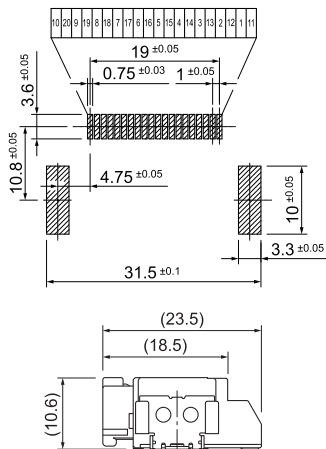


Dual row

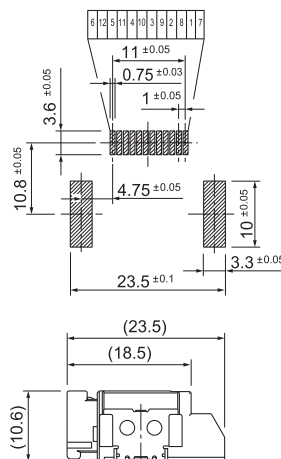
●10 circuits



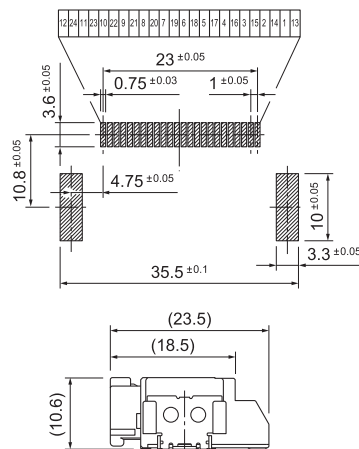
●20 circuits



●12 circuits



●24 circuits



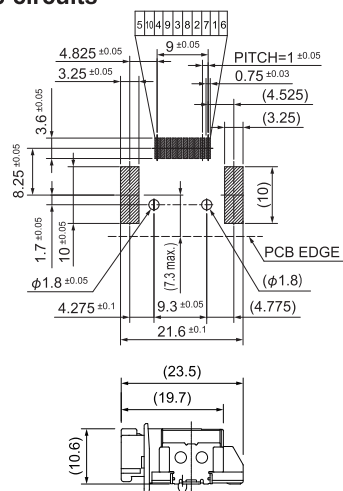
Note: Tolerances are non-cumulative: ± 0.05 mm for all centers.
The dimensions above should serve as guideline. Contact JST for details.

PC board layout, Assembly layout

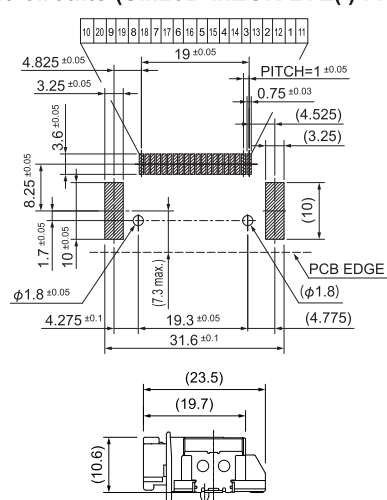
SMT type

Dual row (with flange)

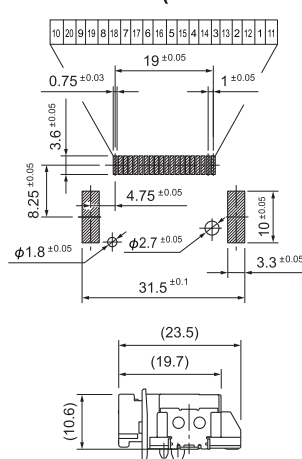
● 10 circuits



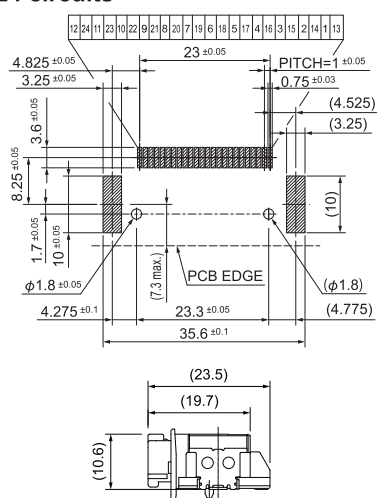
● 20 circuits (SM20B-MECK-2TE ()-A-TB)



● 20 circuits (SM20B-MECK-2TC ()-A-TB)



● 24 circuits

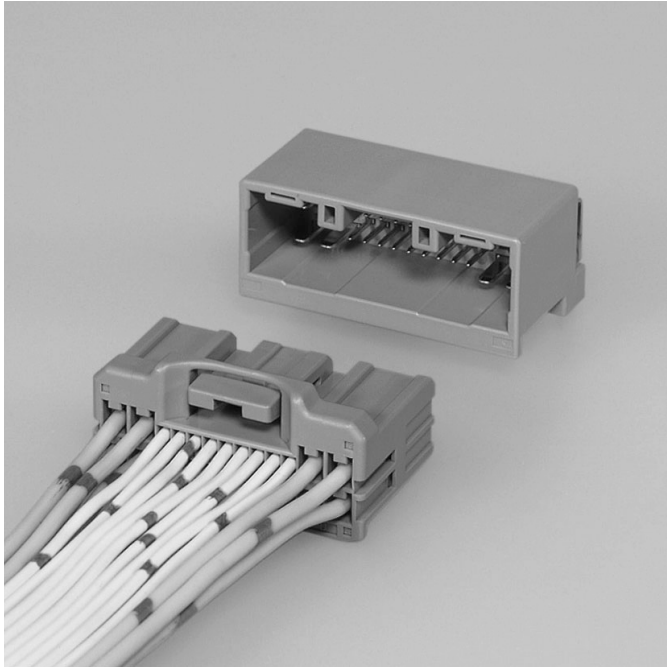


Note: Tolerances are non-cumulative: ± 0.05 mm for all centers.
The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMEC-A021GF-M0.5	AP-K2N	MK/SMEC-A021-05	APLMK SMEC-A021-05
SMEC-A021T-M0.5			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

●High reliability

Using the tried and true terminal ensures high performance and high reliability.

The retainer (secondary lock) is provided for automobile, and reliability is improved.

●Variation

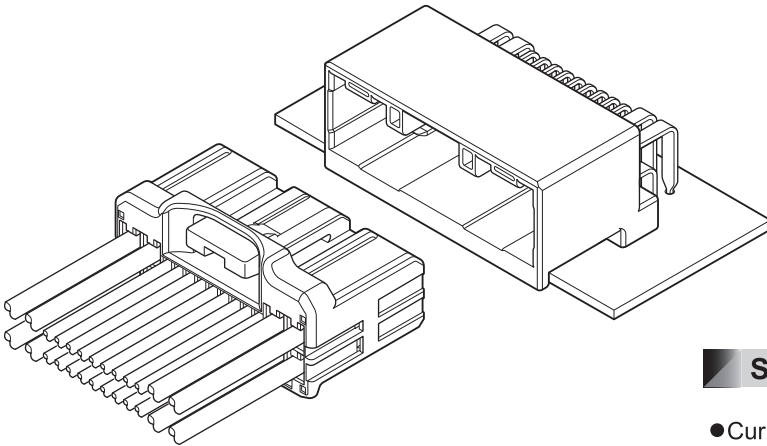
Many variations

●Diversity

It is hybrid structures of using 0.64 terminals for signal, and 2.3 terminals for power supply.

It is possible to correspond also to large current circuit.

This connector is a small connector that can be widely used for the wiring for automotive electrical equipment. There are 2 kinds of connector for signal and hybrid type for signal and power supply.



Specifications (0.64 Terminal)

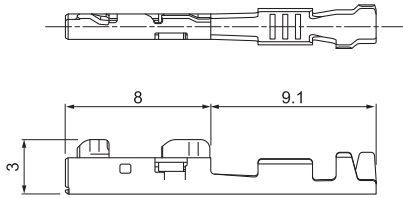
- Current rating: 7 A AC, DC (0.5 mm², Single circuit)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS/CAVS
0.64 Terminal S; 0.3 mm² to 0.5 mm²
AESSX 0.5 mm²

* Compliant with ELV/RoHS2.

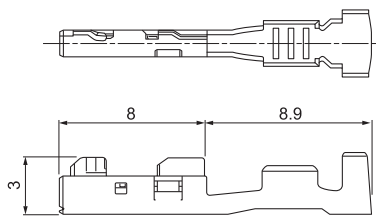
* Contact JST for details.

Female terminal

●0.64 Female terminal SSS



●0.64 Female terminal S



Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
*0.64 SSS	SNAC3-A001T-M0.64	0.13	0.85	6,000
0.64 S	SNAC3-A021T-M0.64	0.3 to 0.5	1.4 to 1.8	5,000

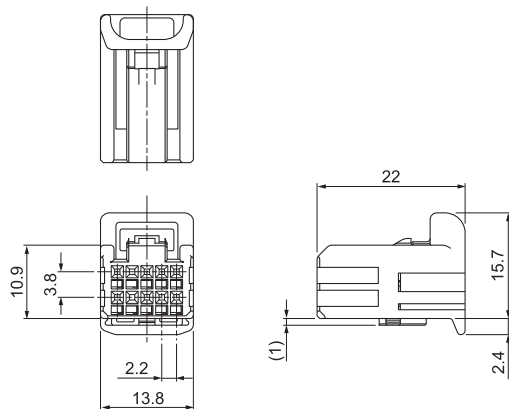
Material and Finish

Copper alloy, tin-plated (reflow treatment)

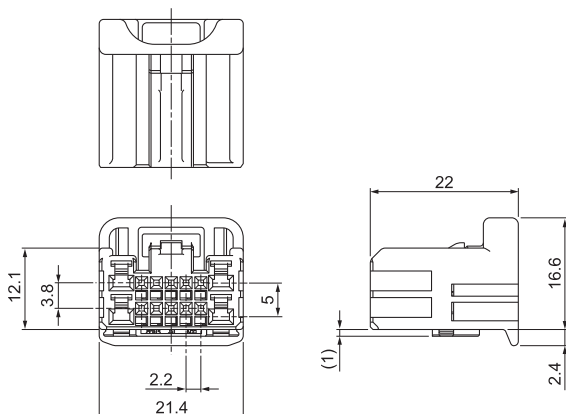
Note: 1. Contact JST for 2.3 II female terminal for power supply.
2. *Please contact JST about the use of these parts.

Female connector

●10SHC-B-1A



●14SHC-B-1A



Circuits	Model No.	Q'ty/box	Color	
			Housing	Retainer
10	10SHC-B-1A	180	Gray	Blue
14	14SHC-B-1A	120	Gray	Blue
24	24SHC-B-1A	72	Gray	Blue
26	26SHC-B-1A	60	Gray	Blue
	26SHC-B-2A	60	Black	Blue
32	32SHC-B-1A	60	Gray	Blue

Material and Finish

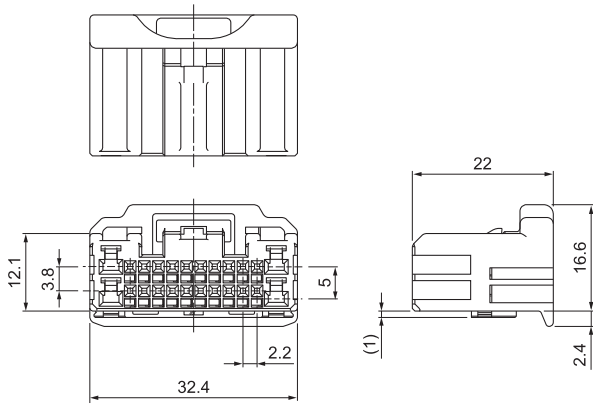
Housing: PBT

Retainer: PBT

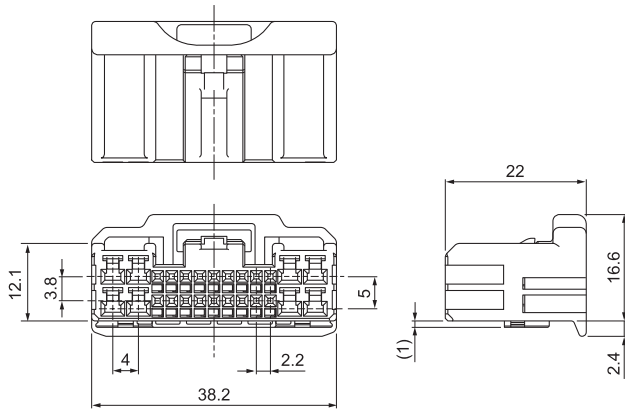
SHC CONNECTOR

Female connector

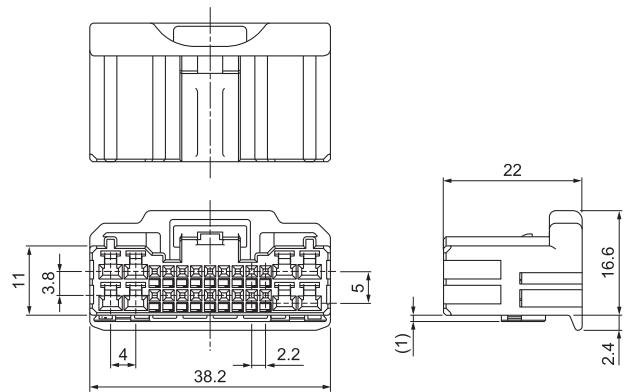
●24SHC-B-1A



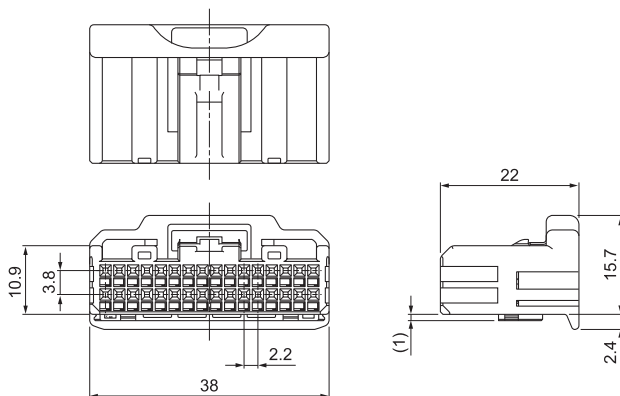
●26SHC-B-1A



●26SHC-B-2A

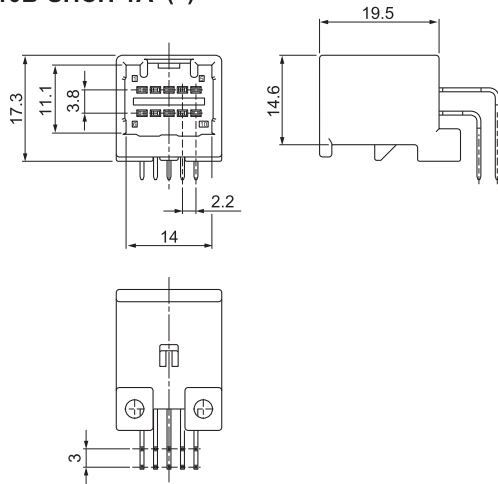


●32SHC-B-1A

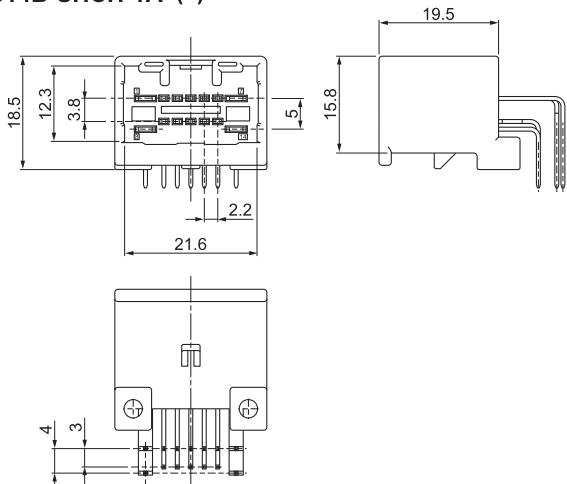


Male connector

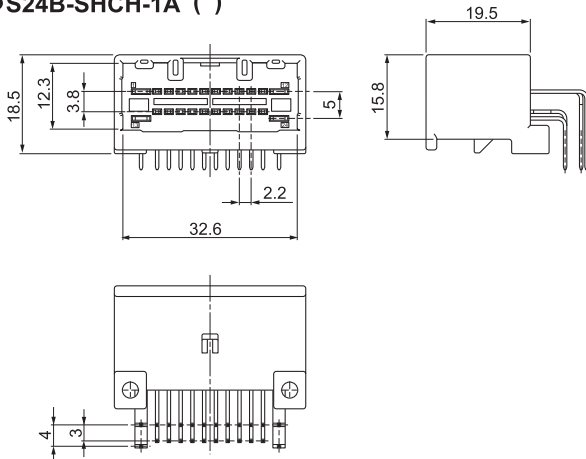
●S10B-SHCH-1A ()



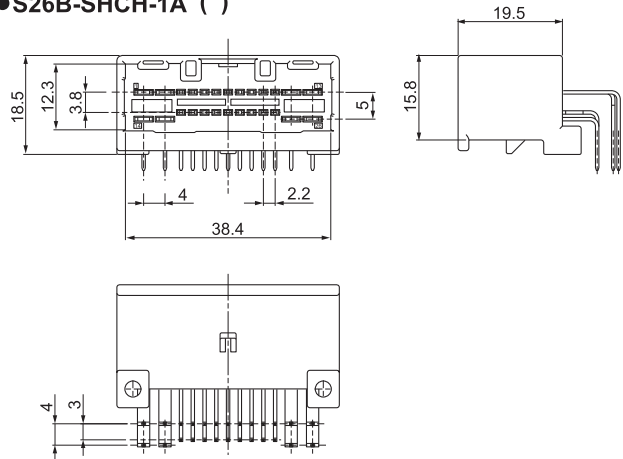
●S14B-SHCH-1A ()



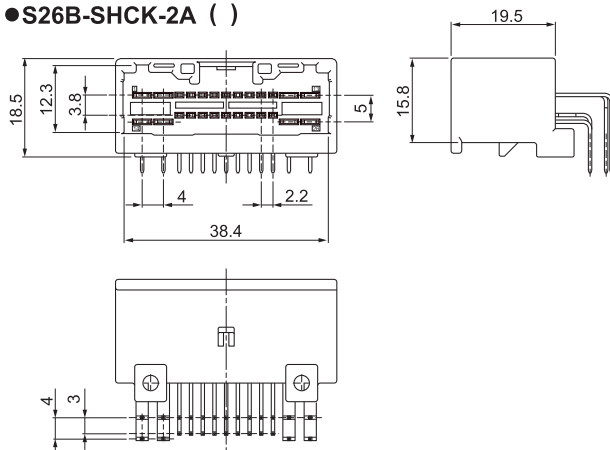
●S24B-SHCH-1A ()



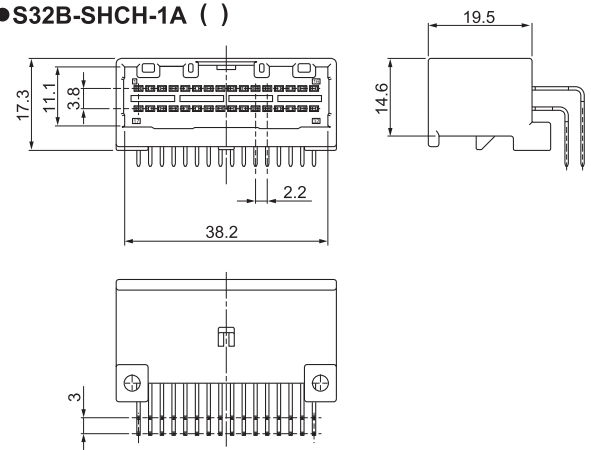
●S26B-SHCH-1A ()



●S26B-SHCK-2A ()



●S32B-SHCH-1A ()



Circuits	Model No.		Color	Q'ty/box	
	Magazine stick	Tray packed		Magazine stick	Tray packed
10	S10B-SHCH-1A (M)	S10B-SHCH-1A R	Gray	1,200	600
14	S14B-SHCH-1A (M)	S14B-SHCH-1A R	Gray	816	400
24	S24B-SHCH-1A (M)	S24B-SHCH-1A R	Gray	576	280
26	S26B-SHCH-1A (M)	S26B-SHCH-1A R	Gray	480	240
	S26B-SHCK-2A (M)	S26B-SHCK-2A R	Black	480	240
32	S32B-SHCH-1A (M)	S32B-SHCH-1A R	Gray	480	240

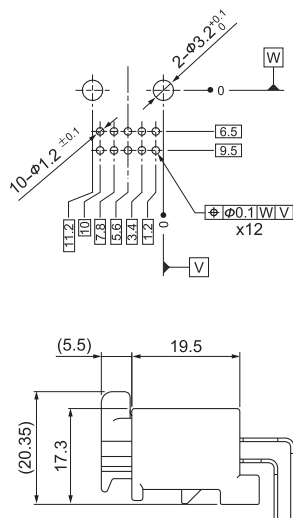
Material and Finish

Housing: Glass-filled PBT

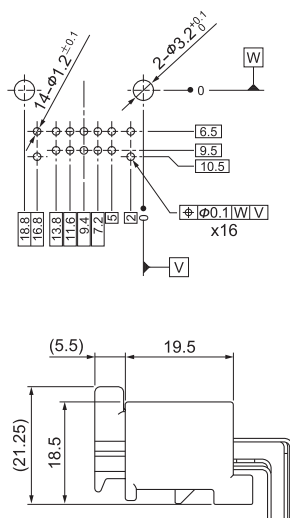
Male pin: Brass, nickel-undercoated, tin-plated (reflow treatment)

PC board layout, Assembly layout

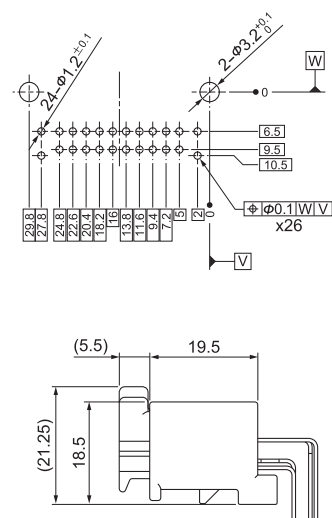
●S10B-SHCH-1A ()



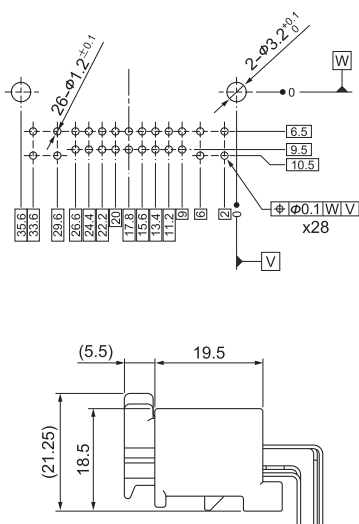
●S14B-SHCH-1A ()



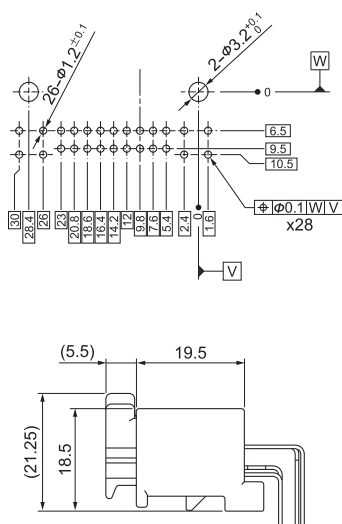
●S24B-SHCH-1A ()



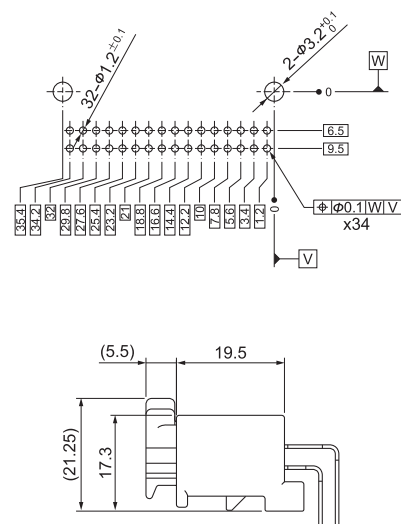
●S26B-SHCH-1A ()



●S26B-SHCK-2A ()



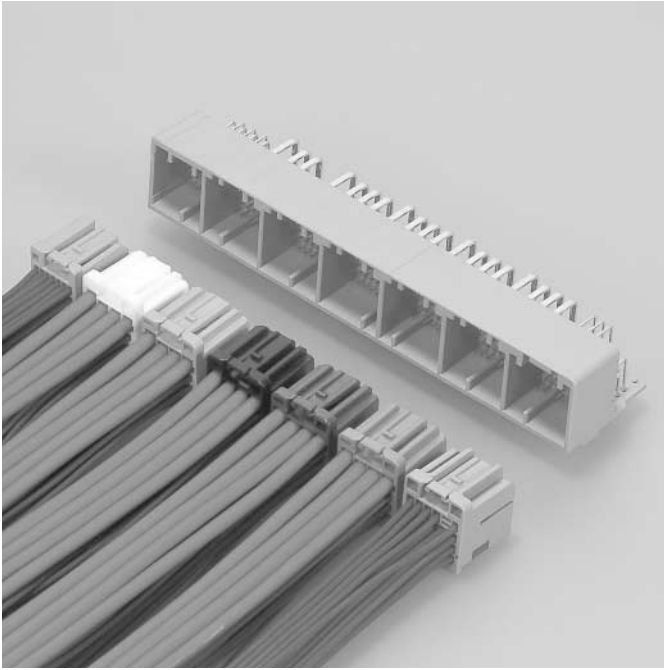
●S32B-SHCH-1A ()



Crimping machine, Applicator, Hand crimp tool

Strip terminal	Crimping machine	Crimp applicator MKS-L		Hand crimp tool	Applicable wire
		Dies	Crimp applicator with dies		
SNAC3-A001T-M0.64	AP-K2N	MK/SNAC3-A001-064	APLMK SNAC3-A001-064	—	—
SNAC3-A021T-M0.64		MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRK-1003	AVSS0.5, CAVS0.5

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



The HIT connector is multi-circuit and miniaturized for ECU for the automobile.
Female connector is divided into seven housings, and considers the ergonomics and workability.

Features

●Multi-circuit structure, Miniaturized

Current products available are up to 180-circuit. Although this connector is multi-circuit, it was miniaturized by narrow pitch. The insertion force in the mating operation of one time is decreased by block division structure.

●Reliability

It conforms to the automotive performance evaluation standard.

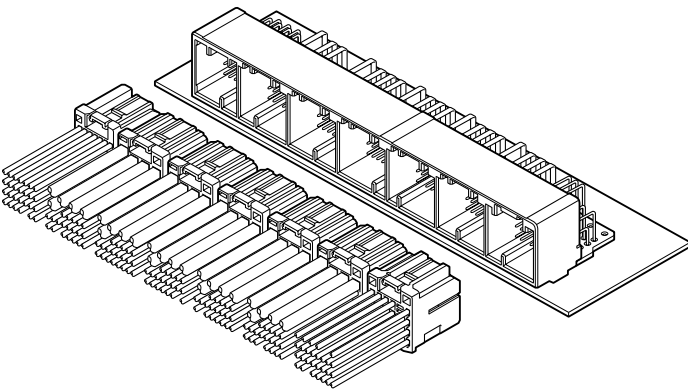
●Diversity

It is hybrid structures of using 0.64 mm and 2.8 mm terminals. Large current circuit is also available.

Specifications

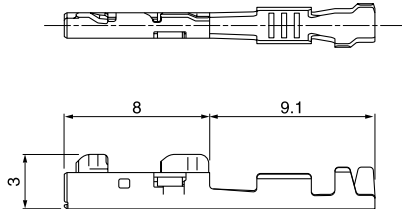
- Current rating: 0.64 Terminal/ 5 A AC, DC (0.5 mm², Single circuit)
2.8 Terminal/ 25 A AC, DC (5 mm², Single circuit)
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: 0.64 Terminal;
Initial value/ 20 mΩ max.
After environmental tests/ 20 mΩ max.
2.8 Terminal;
Initial value/ 5 mΩ max.
After environmental tests/ 5 mΩ max.
- Insulation resistance: 20 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: TXL/ AVSS/ CAVS
0.64 Terminal S/M; 0.3 mm² to 0.85 mm²
2.8 Terminal S/M/L; 0.85 mm² to 5.0 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

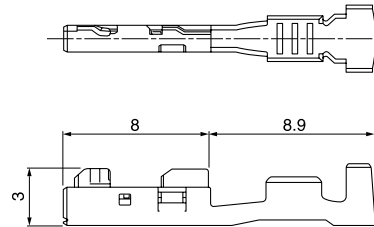


Female terminal

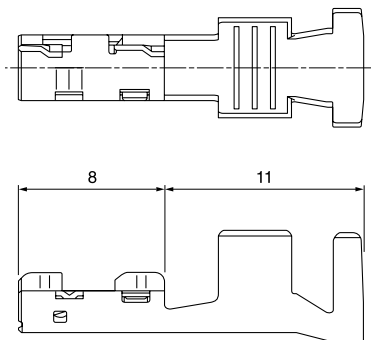
● 0.64 Female terminal SSS/SS



● 0.64 Female terminal S/M



● 2.8 Female terminal S/M/L



Terminal	Model No.	Applicable wire range		Q ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
*0.64 SSS	SNAC3-A001T-M0.64	0.13	0.85	6,000
*0.64 SS	SNAC3-A011T-M0.64	0.22 to 0.35	0.95 to 1.10	5,000
0.64 S	SNAC3-A021T-M0.64	0.3 to 0.5	1.4 to 1.8	5,000
0.64 M	SNAC3-A031T-M0.64	0.5 to 0.85	1.8 to 2.0	5,000
2.8 S	SNAC-A061T-M2.8	0.85 to 1.3	2.0 to 2.3	3,000
2.8 M	SNAC-A081T-M2.8	2.0 to 3.3	2.6 to 3.2	2,500
2.8 L	SNAC-A091T-M2.8	3.0 to 5.0	3.2 to 4.0	2,000

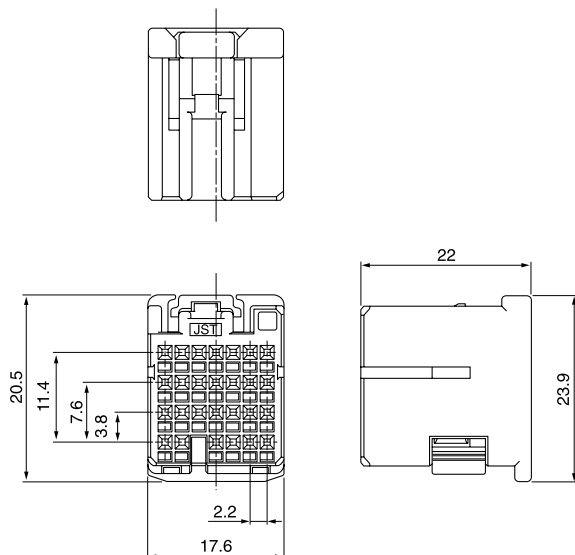
Material and Finish

Copper alloy, tin-plated (reflow treatment)

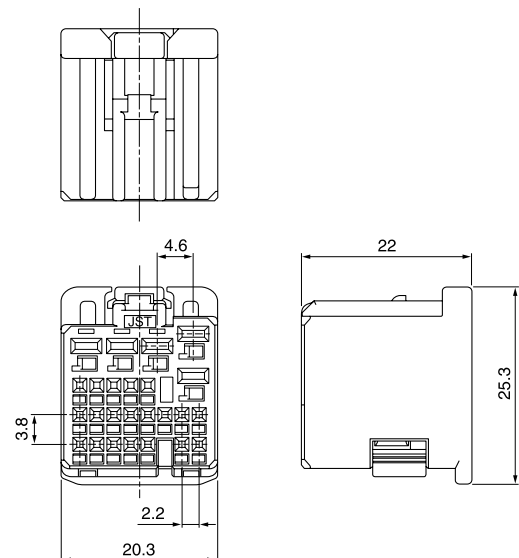
Note: *Please contact JST about the use of these parts.

Female connector

● A Block

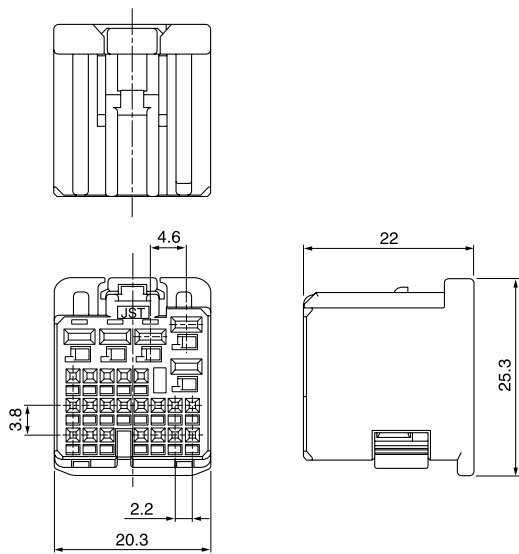


● B Block

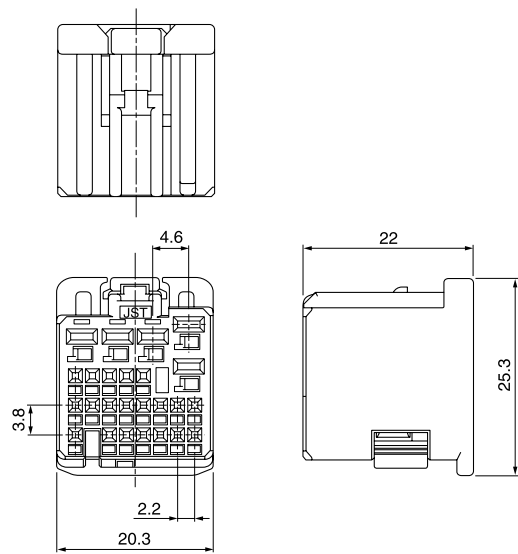


Female connector

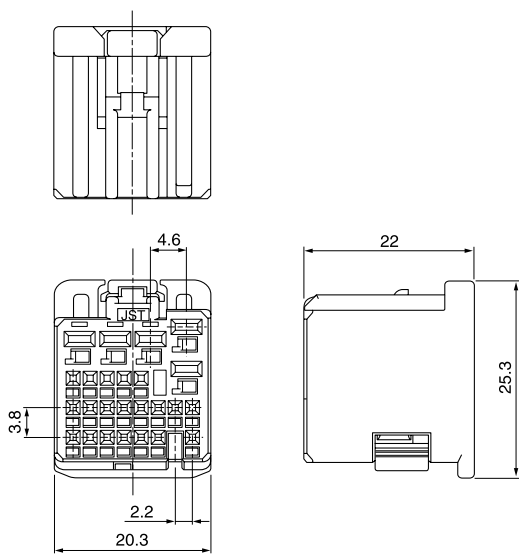
• C Block



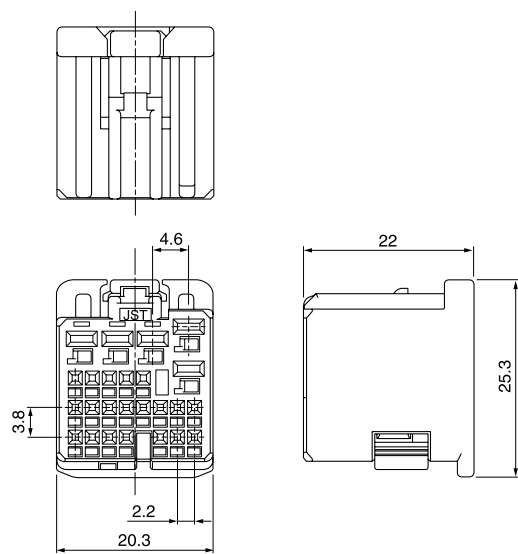
• D Block



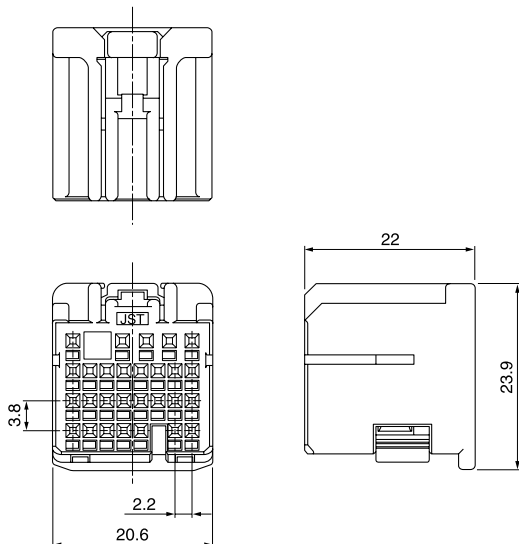
• E Block



• F Block



• G Block



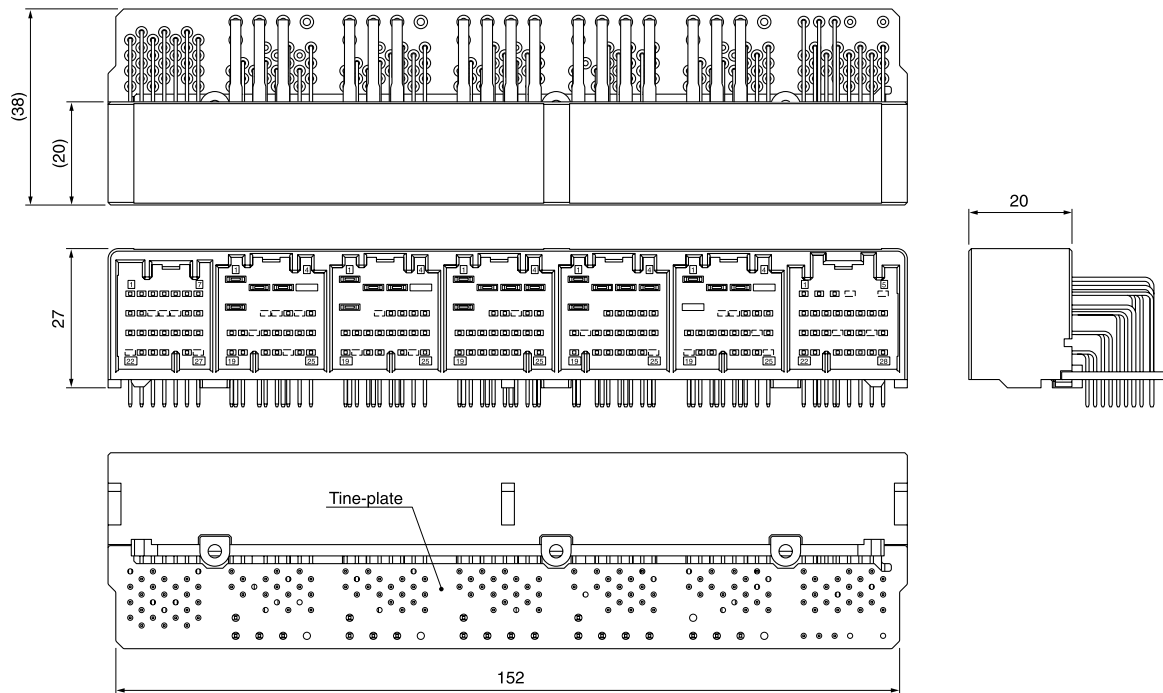
Type	Circuits	Model No.	Q'ty/box	Color	
				Housing	Retainer
A Block	27	HITPB-27-A-LM	336	Light green	Blue
B Block	25	HITPB-25-B-S	280	Natural (White)	Blue
C Block		HITPB-25-C-LE	280	Light blue	Blue
D Block		HITPB-25-D-K	280	Black	Blue
E Block		HITPB-25-E-N	280	Brown	Blue
F Block		HITPB-25-F-PK	280	Pink	Blue
G Block	28	HITPB-28-G-H	280	Gray	Blue

Material

Housing: PBT
Retainer: PBT

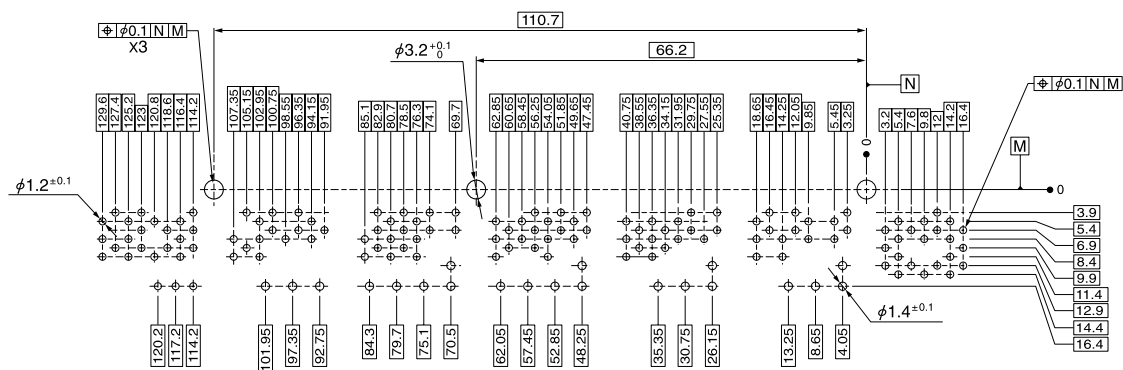
Note: Contact JST for other circuits.

Header



Circuits	Model No.	Q'ty/box
151	S151B-HITHTP-01A	105
Material and Finish		
Housing: Glass-filled PBT		
Tine-plate: Glass-filled PBT		
Signal pin: Brass, nickel-undercoated, tin-plated (reflow treatment)		
Power pin: Copper alloy, nickel-undercoated, tin-plated (reflow treatment)		

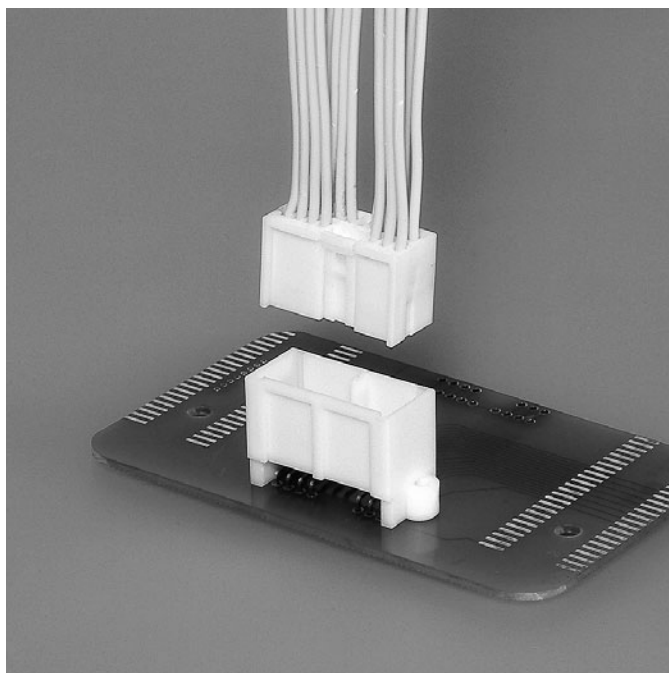
PC board layout



Crimping machine, Applicator, Hand crimp tool

Strip terminal	Crimping machine	Crimp applicator MKS-L		Hand crimp tool
		Dies	Crimp applicator with dies	
SNAC3-A001T-M0.64	AP-K2N	MK/SNAC3-A001-064	APLMK SNAC3-A001-064	—
SNAC3-A011T-M0.64		MK/SNAC3-A011-064	APLMK SNAC3-A011-064	—
SNAC3-A021T-M0.64		MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRK-1003
SNAC3-A031T-M0.64		MK/SNAC3-A031-064	APLMK SNAC3-A031-064	YRK-1012
SNAC-A061T-M2.8		MK/SNAC-A061-28	APLMK SNAC-A061-28	—
SNAC-A081T-M2.8		MK/SNAC-A081-28	APLMK SNAC-A081-28	—
SNAC-A091T-M2.8		MK/SNAC-A091-28	APLMK SNAC-A091-28	—

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Low profile type connector for interface of automotive electrical equipment.

Features

●Low profile

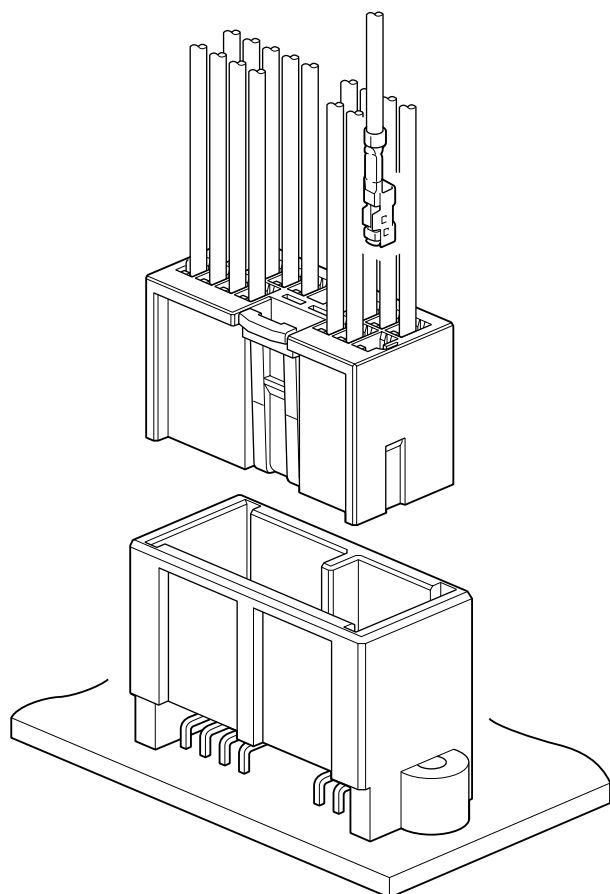
Using the short length female terminal, low profile is realized.

●Solder crack prevention configuration

Pin configuration of PC board side connector is designed for solder crack prevention.

●Reliability

Various ideas, such as prevention mechanism for excessive deformed female terminal, detection for incomplete inserted terminal by side retainer, improved terminal retention force, and the anti-misinsertion structure, are included in this connector.

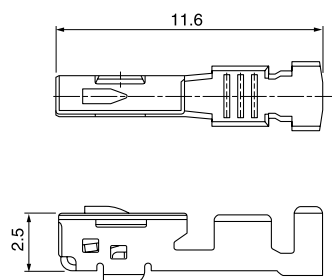


Specifications

- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 12V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/5mΩ max.
After environmental testing/10mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: SE/ AVSS/ CAVS
0.2mm²
0.3mm² to 0.5mm²

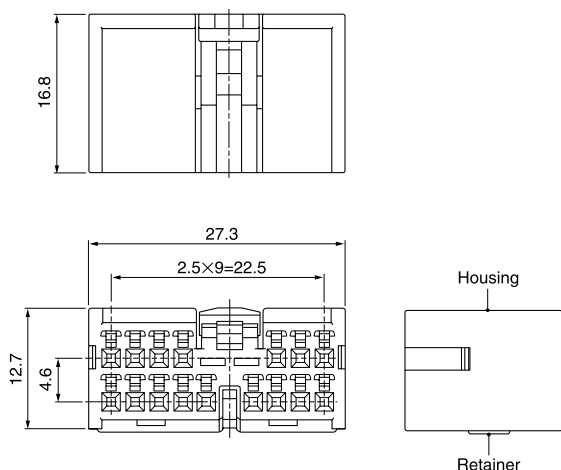
* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



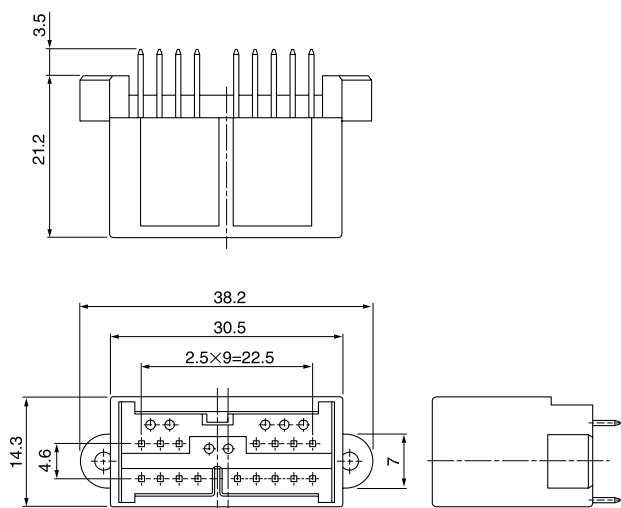
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SHCM-A03T-P025	0.3 to 0.5	1.4 to 1.8	5,000
SHCM-A04T-P025	0.2	1.23	5,000
Material and Finish			
Copper alloy, tin-plated (reflow treatment)			

Female connector



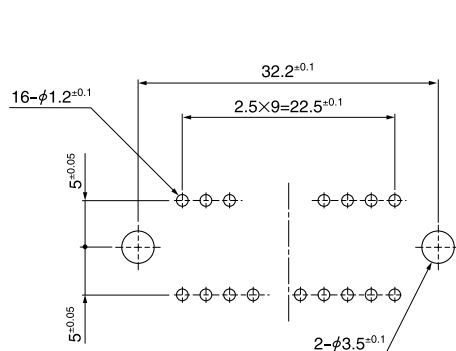
Circuits	Model No.	Q'ty/bag
16	MIOPB-16-SS	100
Material		
Housing: PBT, natural (white)		
Retainer: PBT, natural (white)		

Header

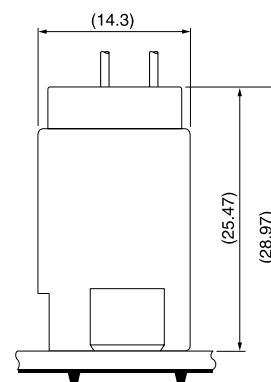


Circuits	Model No.	Q'ty/box
16	B16B-MIOS	80
Material and Finish		
Pin: Brass, copper-undercoated, tin-plated (reflow treatment)		
Housing: PBT, natural (white)		

PC board layout, Assembly layout



viewed from component side



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
 2. Hole dimensions differ according to the type of PC board and piercing method.
 The dimensions above should serve as guideline. Contact JST for details.

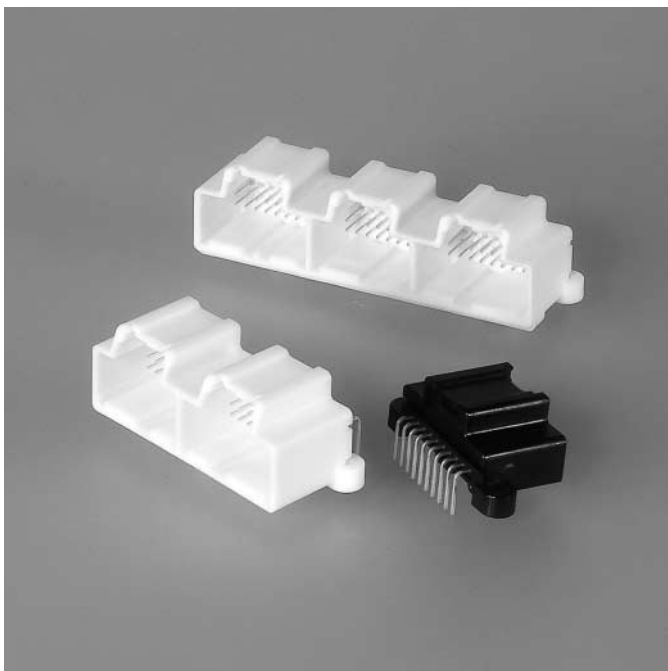
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SHCM-A03T-P025	AP-K2N	MK/SHCM-A03-025	APLMK SHCM-A03-025
SHCM-A04T-P025		MK/SHCM-A04-025	APLMK SHCM-A04-025

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

AIT CONNECTOR

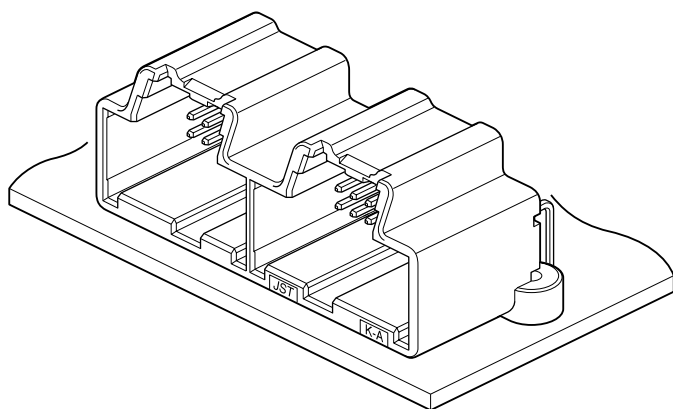
Board-to-wire/Wire-to-wire



0.64 unsealed connector series compliant with the standard USCAR footprints.
Variations of Keying / Color options and PC Board mounting features are available to satisfy customer's needs.

Features

- Compliant with the Standard 0.64 Unsealed USCAR Footprints and USCAR Performance Standards
- Variations in PCB mountings

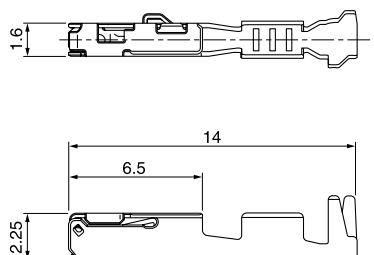


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: SAE/ AVSS / CAVS
0.3 mm² to 0.8 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

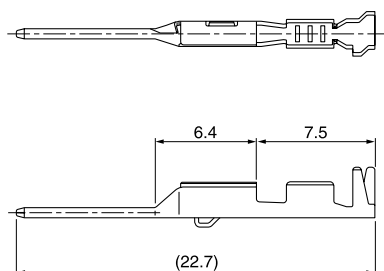


Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
S	①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
	②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
M	①SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
	②SAIT-A02GF-M064	0.75 to 0.8	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, Contact area; gold-plated
Barrel area; tin-plated

Male terminal

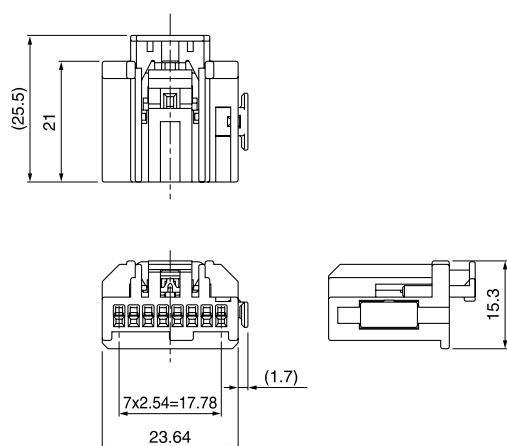


Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
S	①SAITW-A03T-064	0.3 to 0.5	≤1.9	7,000
	②SAITW-A03GF-064	0.3 to 0.5	≤1.9	7,000
M	①SAITW-A02T-064	0.75 to 0.8	≤1.9	7,000
	②SAITW-A02GF-064	0.75 to 0.8	≤1.9	7,000

Material and Finish

- ①Brass, tin-plated (reflow treatment)
- ②Brass, Contact area; gold-plated
Barrel area; tin-plated

Female Connector



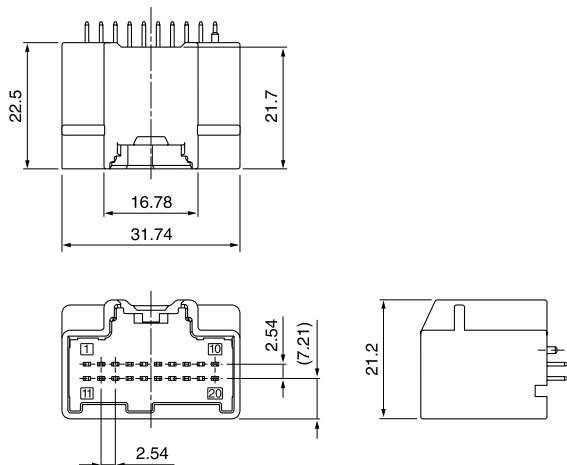
Circuits	Model No.	Q'ty/box
8	AITPB-C08-1A-K	1,500

Material

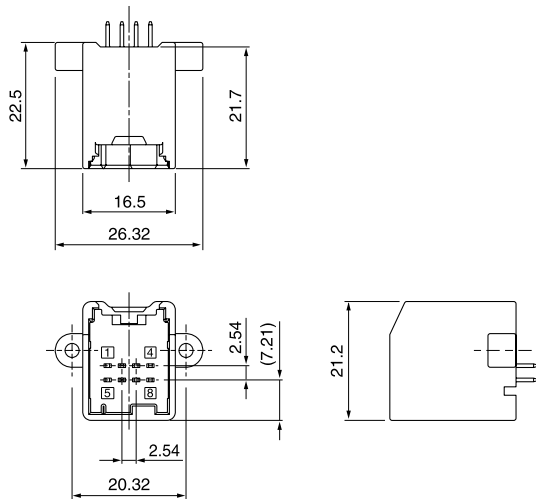
Housing: Glass-filled PBT, Black
TPA: Glass-filled PBT, Red
CPA: Glass-filled PBT, Red

Male connector (Top entry type)

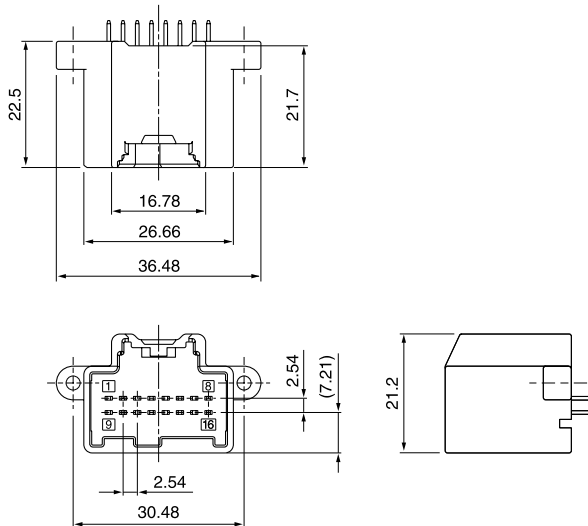
With boss ● 20 circuits



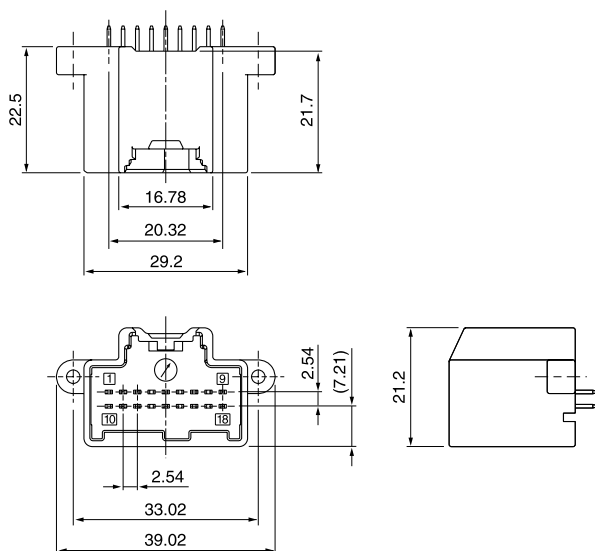
Screw hole type ● 8 circuits



● 16 circuits



● 18 circuits



PCB Mounting Style	Circuits	Model No.	Q ty/box	Housing Color
Boss	20	B20B2-AIT-A2A-KS	700	Black
		B20B2-AIT-A2C-NS	700	Brown
Screw hole	8	B08B-AIT-A2A-KS	810	Black
		B08B-AIT-A2B-HS	810	Gray
	16	B16B-AIT-A2A-KS	600	Black
		B16B-AIT-A2B-HS	600	Black
	18	B18B-AIT-A2F-SS	600	Natural (White)

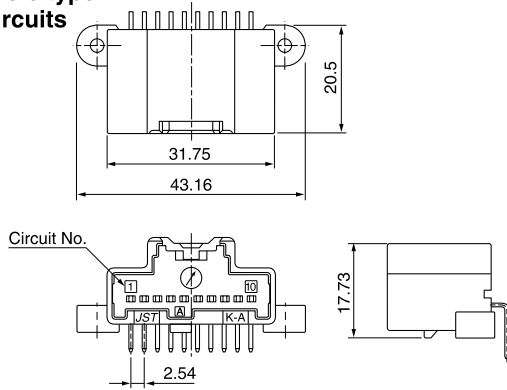
Material and Finish

Housing: Glass-filled PA
Pin: Brass, tin-plated

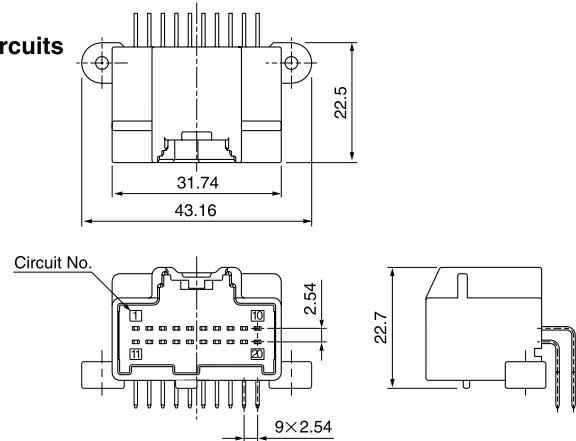
Male connector (Side entry type)

Screw hole type

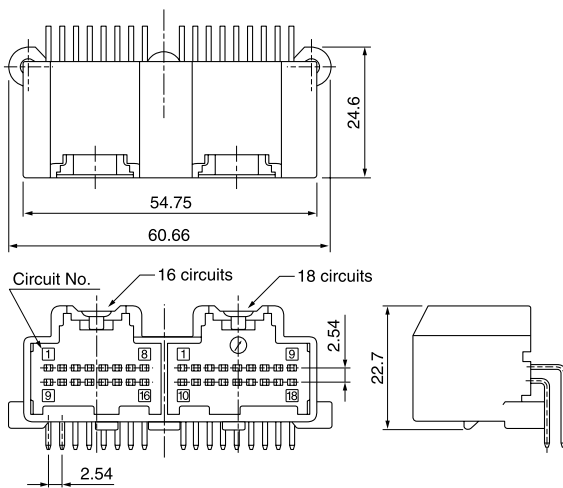
● 10 circuits



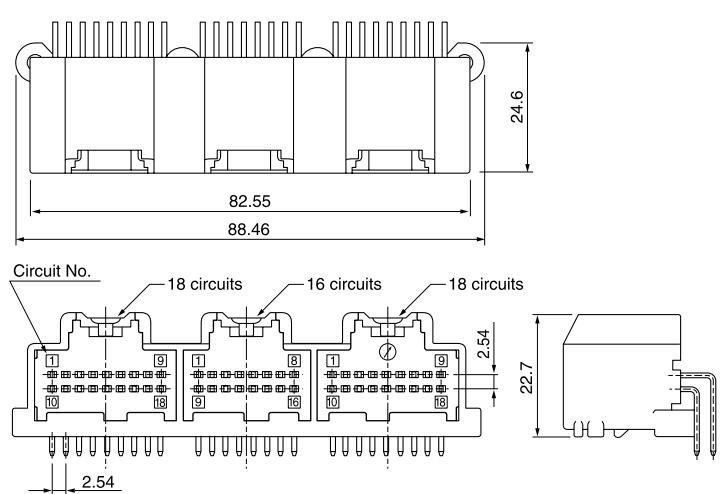
● 20 circuits



● 34 circuits

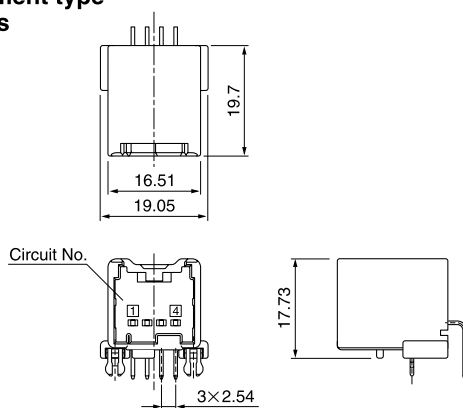


● 52 circuits

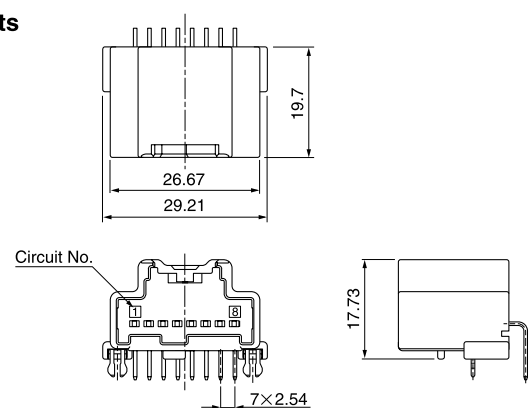


Reinforcement type

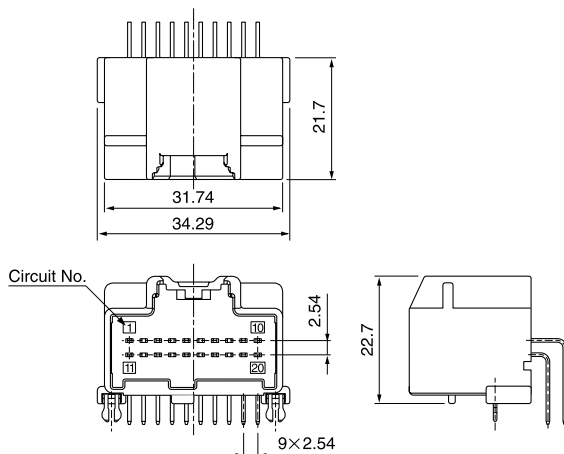
● 4 circuits



● 8 circuits



● 20 circuits



PCB Mounting Style	Circuits	Model No.	Q ty/box	Housing Color
Screw hole	10	S10B-AIT-A1A-KS(M)(LF)(SN)	585	Black
	20	S20B-AIT-A2A-KS	336	Black
		S20B-AIT-A2B-HS	336	Gray
	34	S34B-AIT-A22-SS(M)(LF)(SN)	252	Natural (White)
	52	S52B-AIT-A23-SS(M)(LF)(SN)	168	Natural (White)
* Reinforcement	4	S04B1-AIT-A1A-KS	880	Black
	8	S08B1-AIT-A1A-KS	560	Black
	20	S20B1-AIT-A2A-KS	360	Black
		S20B1-AIT-A2B-HS	360	Gray

Material and Finish

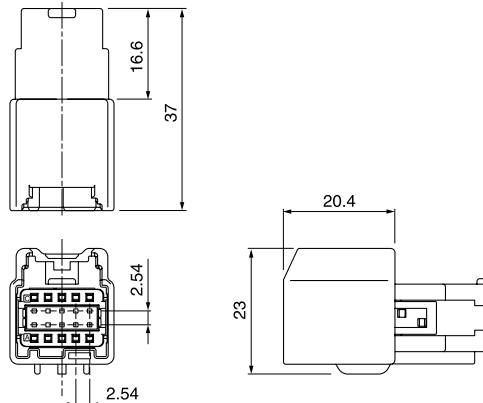
Housing: Glass-filled PBT

Pin: Brass, tin-plated

*Reinforcement: Brass, tin-plated

Male connector (Wire-to-wire type)

• 10 circuits



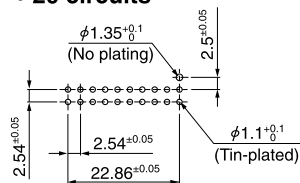
Circuits	Model No.	Q'ty/box
10	AITWSB-10-2AK	100
Material		
Housing: Glass-filled PBT, Black		
TPA: Glass-filled PBT, Red		

PC board layout

Top entry type

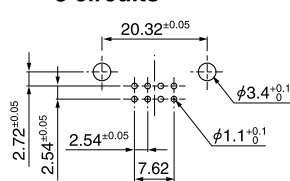
With boss

• 20 circuits

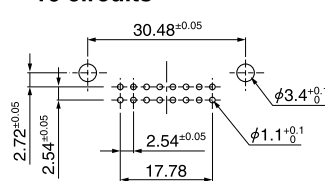


Screw hole type

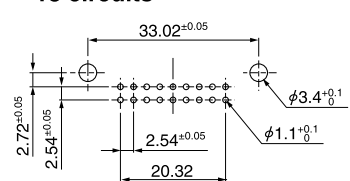
• 8 circuits



• 16 circuits



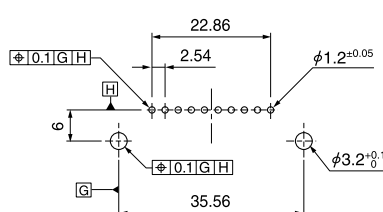
• 18 circuits



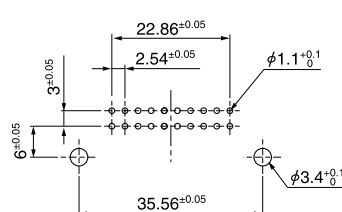
Side entry type

Screw hole type

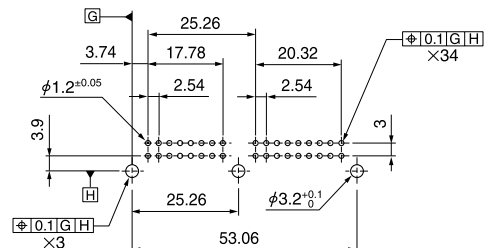
• 10 circuits



• 20 circuits

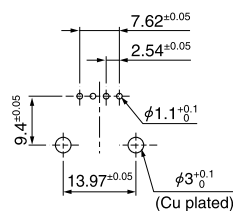


• 34 circuits

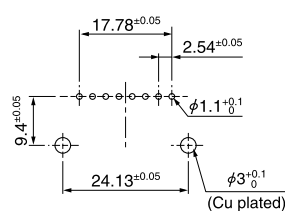


Reinforcement type

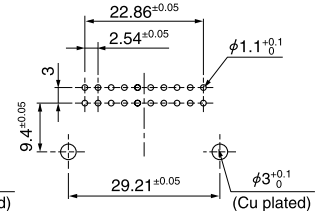
• 4 circuits



• 8 circuits



• 20 circuits



Note: 1. Tolerances are non-cumulative.

2. Hole dimensions differ according to the type of PC board and piercing method.
The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

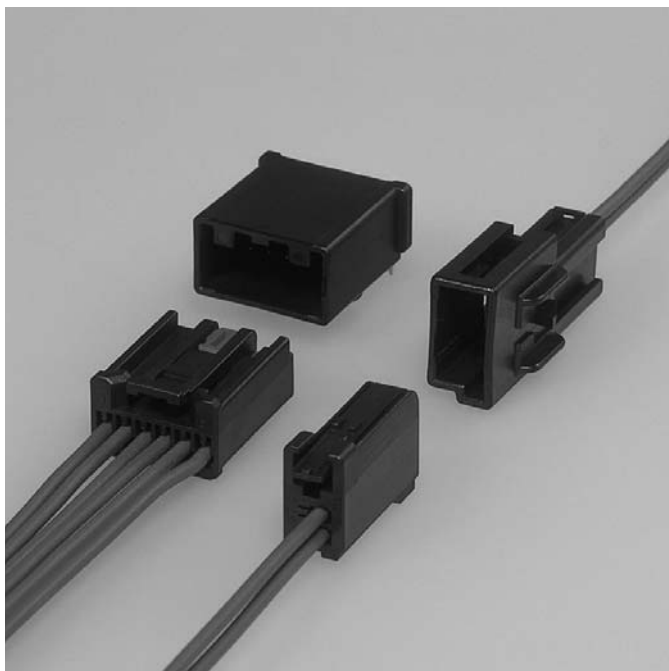
Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064
SAITW-A03()-064		MK/SAITW-A03-064	APLMK SAITW-A03-064
SAITW-A02()-064		MK/SAITW-A02-064	APLMK SAITW-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

AIT-II CONNECTOR

0.64 terminal

Board-to-wire/Wire-to-wire



0.64 unsealed low-profile connector series for use in a wide range of automotive applications.

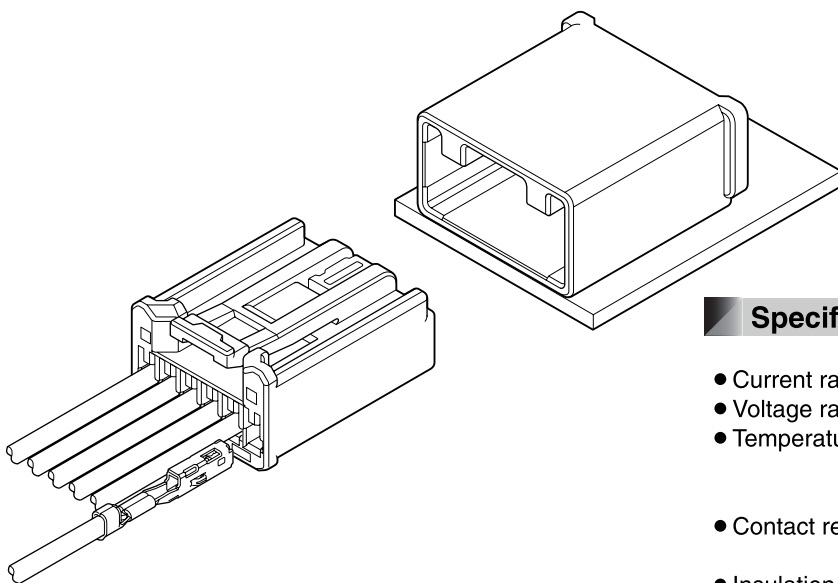
Features

● Ultra Low Profile Connector

Over 30% Height Reduction as compared to the Standard USCAR Footprints.

● Variations

There are multiple varieties of AIT-II Connectors which can satisfy your needs.

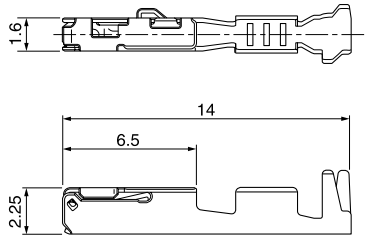


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS/ FLRY
0.3 mm² to 0.85 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal



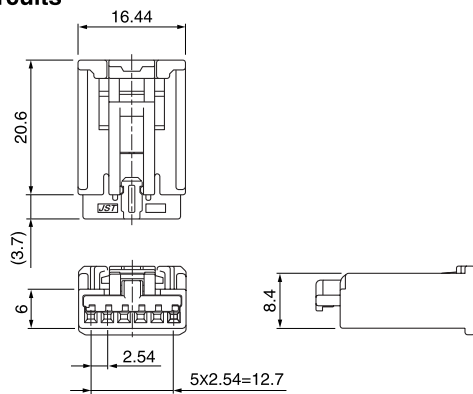
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.85	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.85	≤1.9	6,500

Material and Finish

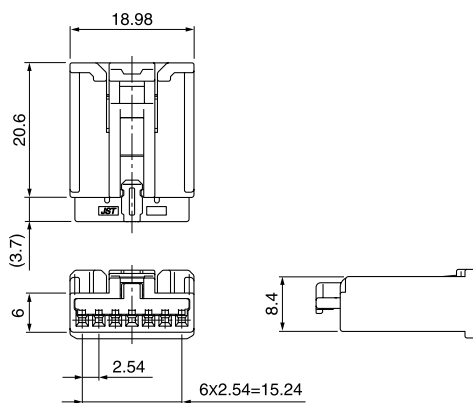
- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated,
Contact area; gold-plated
Barrel area; tin-plated

Female connector (Single row)

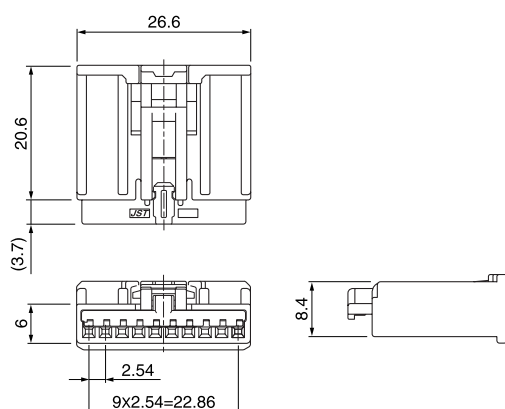
● 6 circuits



● 7 circuits



● 10 circuits



Circuits	Model No.	Q'ty/box	Housing Color
6	AIT2PB-06-1AK	5,250	Black
	AIT2PB-06-1BH	5,250	Gray
	AIT2PB-06-1FS	5,250	Natural (White)
7	AIT2PB-07-1BH	300	Gray
	AIT2PB-07-1FS	300	Natural (White)
10	AIT2PB-10-1AK	3,000	Black
	AIT2PB-10-1BH	3,000	Gray
	AIT2PB-10-1DM	3,000	Green
	AIT2PB-10-1FS	3,000	Natural (White)
	AIT2PB-10-1AD	3,000	Orange

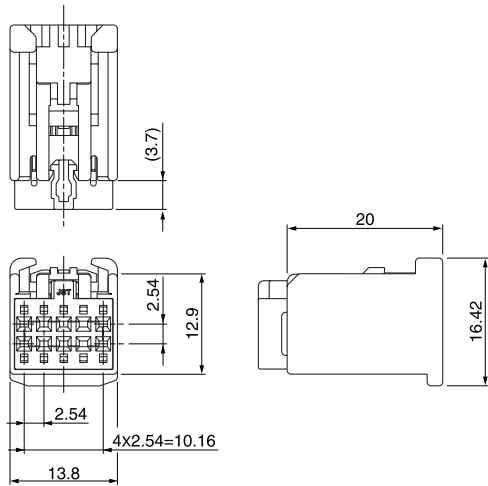
Material and Finish

Housing: Glass-filled PBT
TPA: Glass-filled PBT, Red

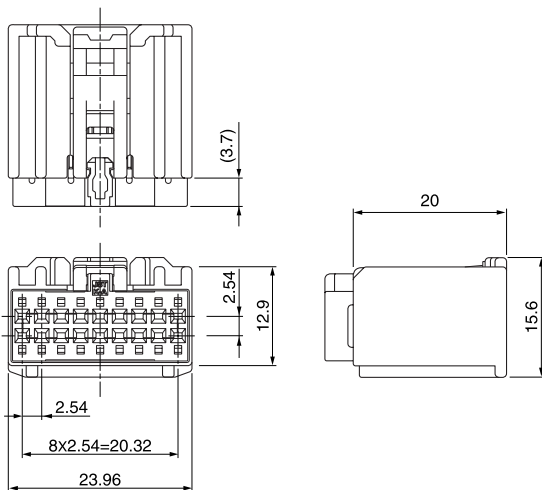
AIT-II CONNECTOR

Female connector (Dual row)

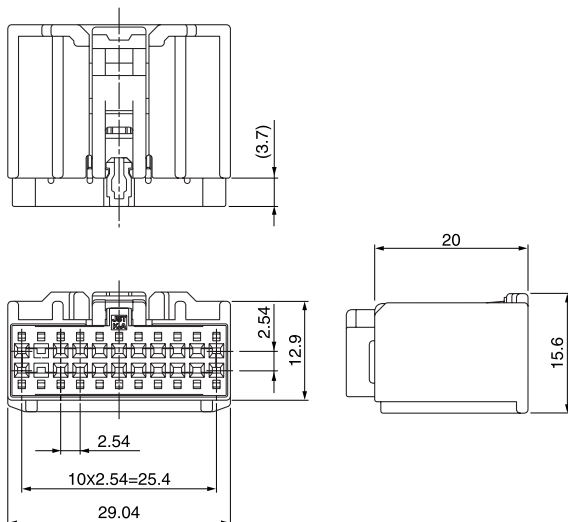
● 10 circuits



● 18 circuits



● 22 circuits



Circuits	Model No.	Q'ty/box	Housing Color	TPA Color
10	AIT2PB-10P-2AK	200	Black	Natural (White)
	AIT2PB-10P-2BH	200	Gray	Natural (White)
18	AIT2PB-18-2AD	120	Orange	Black
	AIT2PB-18-2BD	120	Orange	Natural (White)
	AIT2PB-18-2AK	120	Black	Natural (White)
	AIT2PB-18-2BH	120	Gray	Natural (White)
	AIT2PB-18-2DM	120	Green	Natural (White)
	AIT2PB-18-2FS	120	Natural (White)	Black
22	AIT2PB-22-2AK	100	Black	Natural (White)
	AIT2PB-22-2BH	100	Gray	Natural (White)
	AIT2PB-22-2CN	100	Brown	Natural (White)
	AIT2PB-22-2FS	100	Natural (White)	Black

Material and Finish

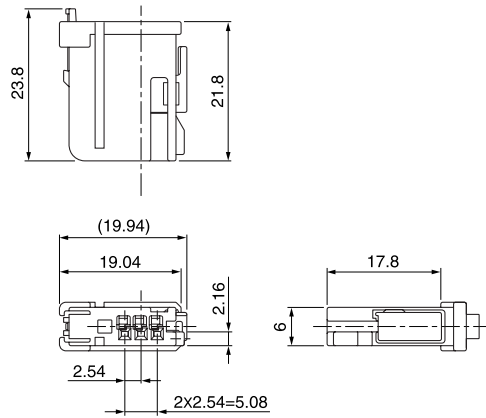
Housing: Glass-filled PBT

TPA: Glass-filled PBT

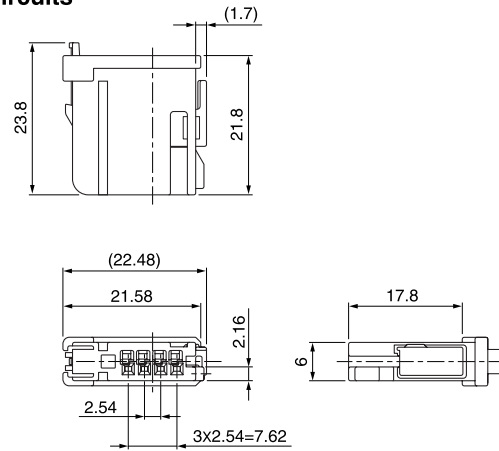
Female connector (Side Lock)

Side-Load TPA

• 3 circuits

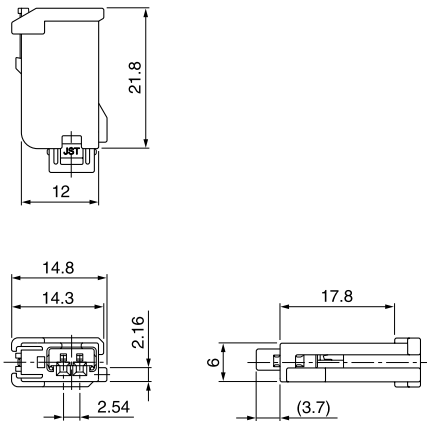


• 4 circuits

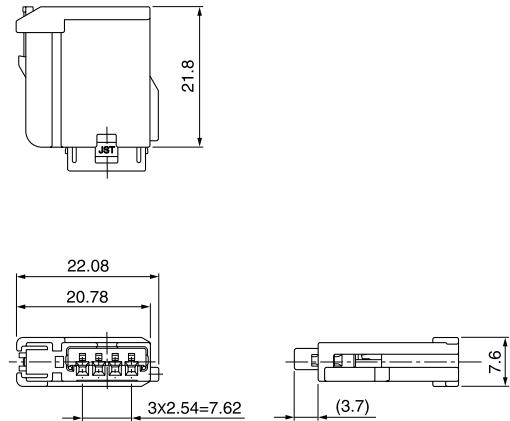


Front-Load TPA

• 2 circuits



• 4 circuits



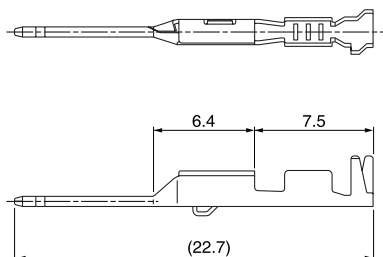
Circuits	TPA Location	Model No.	Q'ty/box	Housing Color
2	Front-Load	AIT2PB-02G-1AK	8,400	Black
		AIT2PB-02A-1FS	8,400	Natural (White)
3	Side-Load	AIT2PB-03B-1AK	6,000	Black
4	Front-Load	AIT2PB-04G-1AK	5,500	Black
	Side-Load	AIT2PB-04B-1AK	400	Black

Material and Finish

Housing: Glass-filled PBT
TPA: Glass-filled PBT, Red

AIT-II CONNECTOR

Male terminal



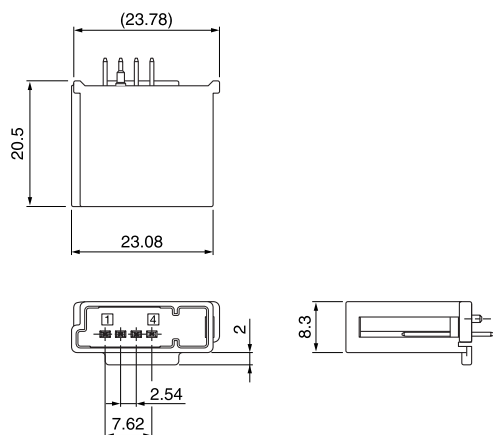
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITW-A03T-064	0.3 to 0.5	≤1.9	7,000
①SAITW-A02T-064	0.75 to 0.85	≤1.9	7,000
②SAITW-A03GF-064	0.3 to 0.5	≤1.9	7,000
②SAITW-A02GF-064	0.75 to 0.85	≤1.9	7,000

Material and Finish

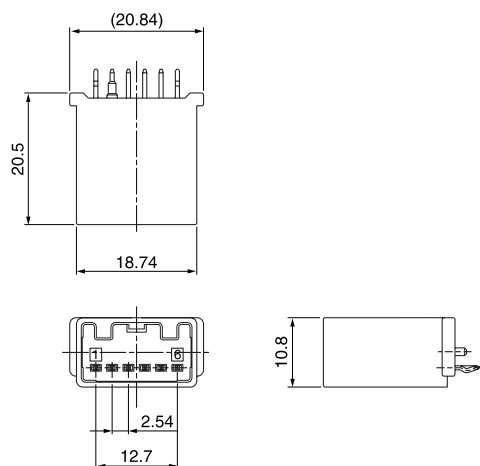
- ①Brass, tin-plated (reflow treatment)
- ②Brass, nickel-undercoated, Contact area: gold-plated
Barrel area: tin-plated

Male connector (Top entry type)

● 4 circuits



● 6 circuits



Circuits	Model No.	Q'ty/box	Housing Color
4	①B04BA-AIT2-1AK	108	Black
6	②B06BA-AIT2-1AK-K	120	Black

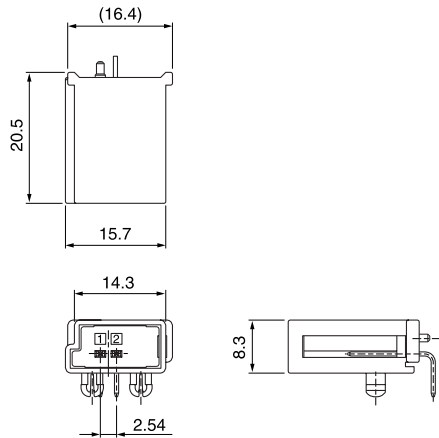
Material and Finish

- Housing: ①Glass-filled nylon
- ②Glass-filled PBT
- Pin: Brass, tin-plated

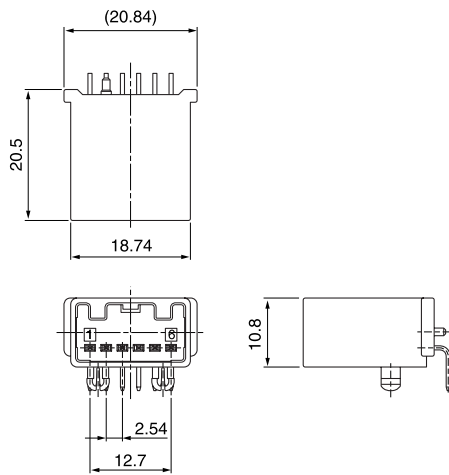
Male connector (Side entry type)

Single row

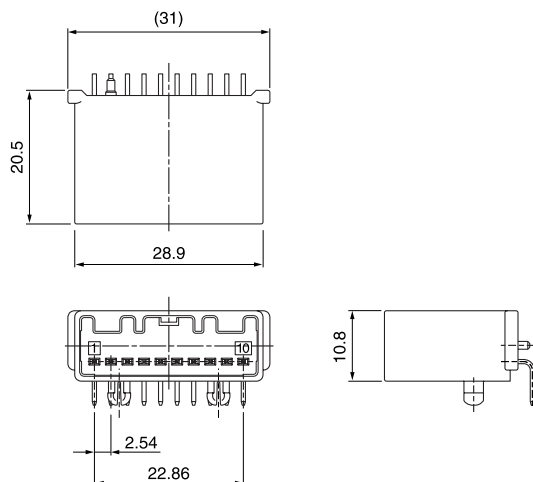
● 2 circuits



● 6 circuits



● 10 circuits



Circuits	Model No.	Q'ty/box	Housing Color
2	① S02BA-AIT2-1AK	96	Black
	① S02BA-AIT2-1FS		Natural (White)
6	① S06B-AIT2-1AK	80	Black
	① S06B-AIT2-1FS		Natural (White)
	① S06B1-AIT2-1FS		Natural (White)
	② S06B1-AIT2G-1AK		Black
10	② S10B-AIT2G-1AK	72	Black
	② S10B-AIT2G-1AD		Orange

Material and Finish

Housing: Glass-filled PBT

Pin: ① Brass, tin-plated

② Brass, tin-plated, nickel-undercoated,

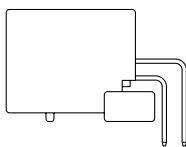
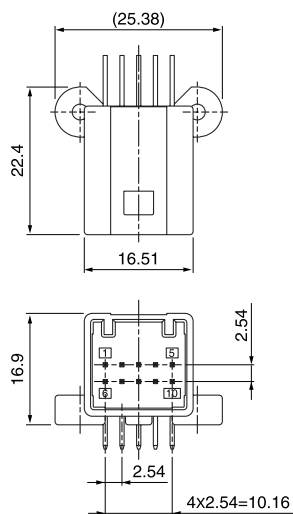
Contact area: gold-plated

AIT-II CONNECTOR

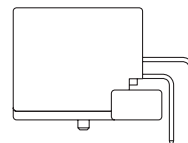
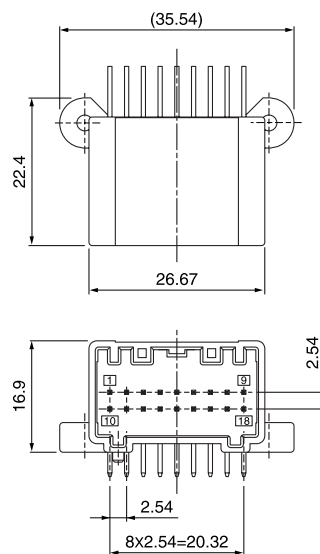
Male connector (Side entry type)

Dual row

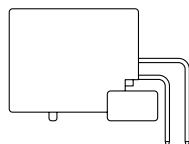
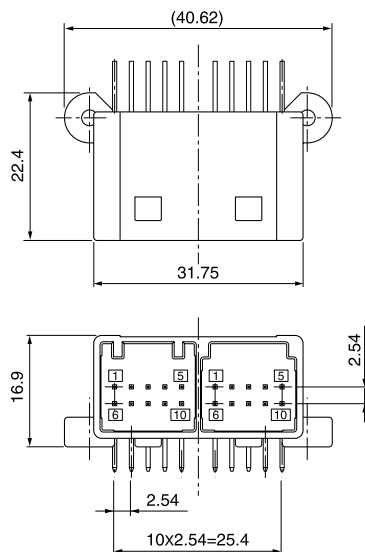
• 10 circuits



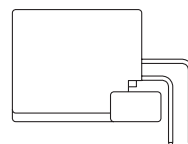
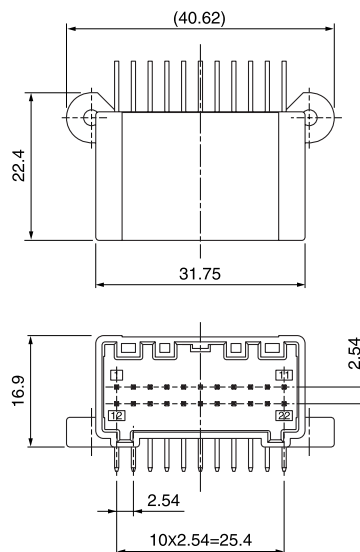
• 18 circuits



• 20 circuits



• 22 circuits



Circuits	Model No.	Q'ty/box	Housing Color
10	① S10B-AIT2-2AK (LF)(SN)	224	Black
	② S10B-AIT2G-2AK		
18	② S18B-AIT2G-2AK	160	Black
	② S18B-AIT2G-2BH		Gray
	② S18B-AIT2G-2DM		Green
	② S18B-AIT2G-2FS		Natural (White)
	② S18B-AIT2G-2AD		Orange
	② S18B-AIT2G-2BD		Orange
20	② S20B-AIT2G-2A2BK	128	Black
22	② S22B-AIT2G-2AK	128	Black
	② S22B-AIT2G-2BH		Gray
	② S22B-AIT2G-2CN		Brown
	② S22B-AIT2G-2FS		Natural (White)

Material and Finish

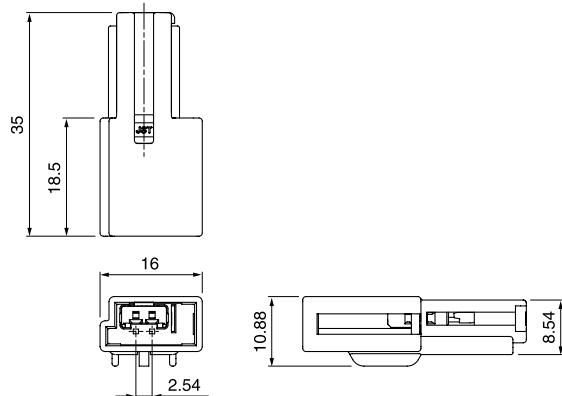
Housing: Glass-filled PBT

Pin: ① Brass, tin-plated

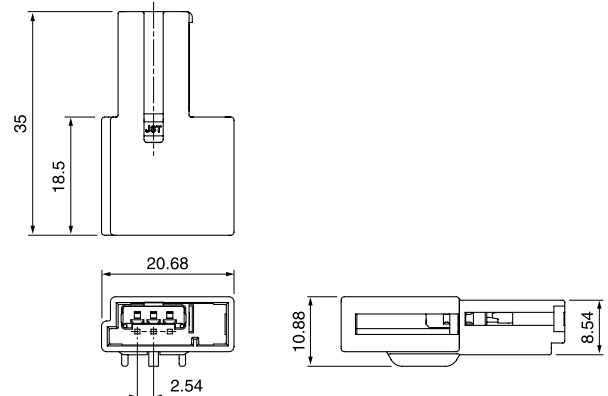
② Brass, tin-plated, Contact area: gold-plated

Male connector (Wire-to-wire)

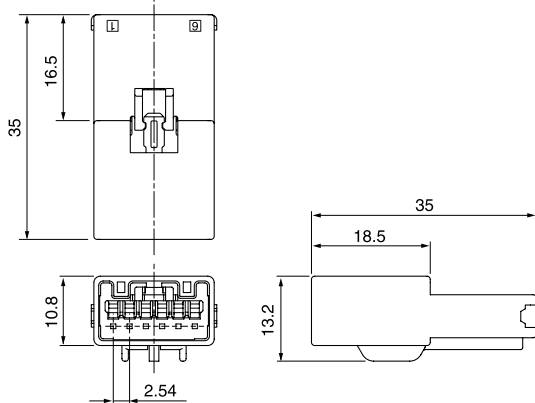
• 2 circuits



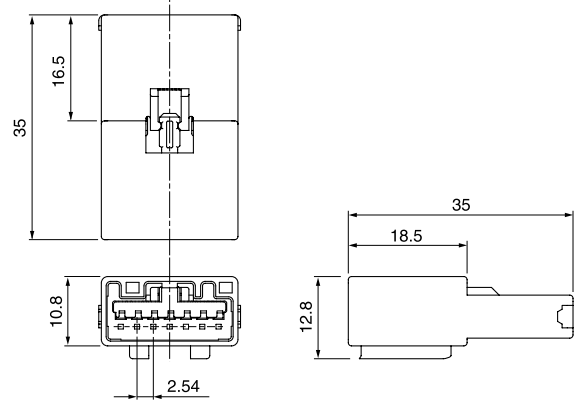
• 3 circuits



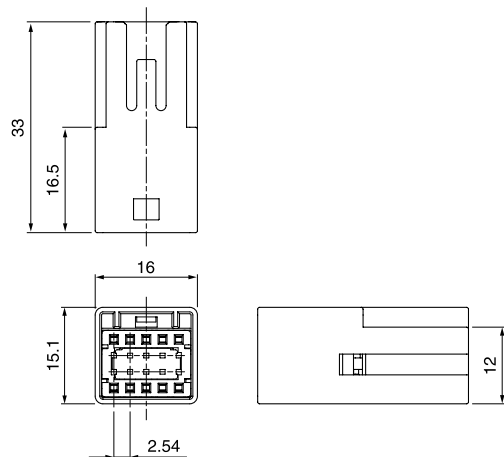
• 6 circuits



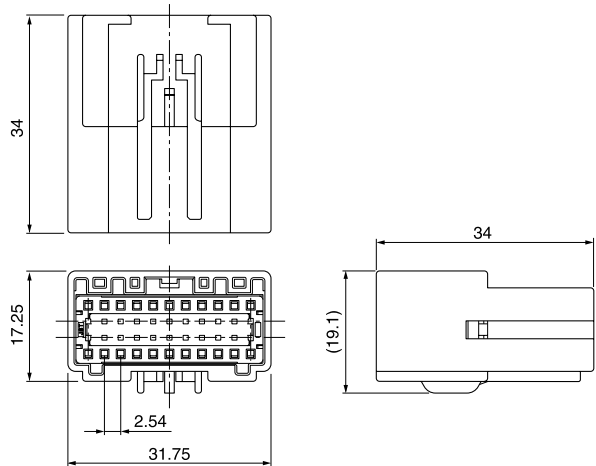
• 7 circuits



• 10 circuits (Dual row)



• 22 circuits (Dual row)



Circuits	Model No.	Q'ty/box	Housing Color	TPA Color
2	AIT2WSB-02A-1AK	300	Black	Red
3	AIT2WSB-03A-1AK	200	Black	Red
6	AIT2WSB-06-1AK	150	Black	Red
	AIT2WSB-06-1FS	150	Natural (White)	Red
7	AIT2WSB-07-1FS	150	Natural (White)	Red
	AIT2WSB-07-1FK	150	Black	Red
10	AIT2WSB-10A-2AK	150	Black	Natural (White)
	AIT2WSB-10A-2BH	150	Gray	Natural (White)
22	AIT2WSB-22-2AK	60	Black	Natural

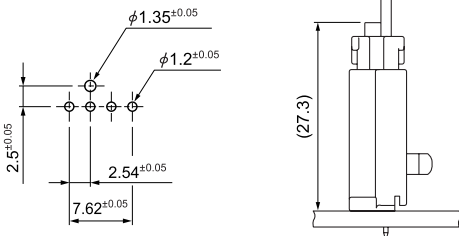
Material

Housing: Glass-filled PBT
TPA: Glass-filled PBT

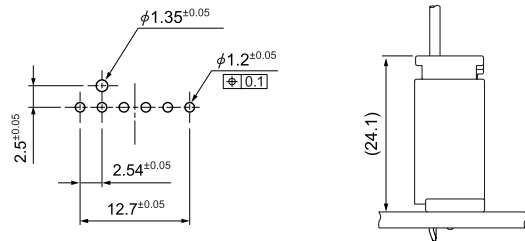
PC board layout, Assembly layout

Top entry type

• 4 circuits



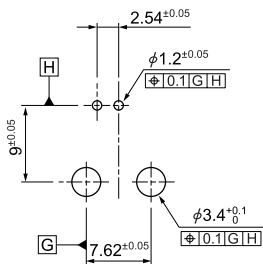
• 6 circuits



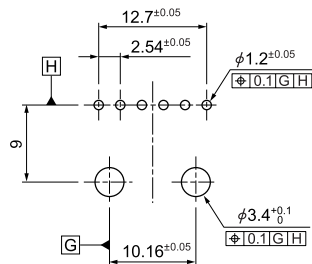
Side entry type

Single row

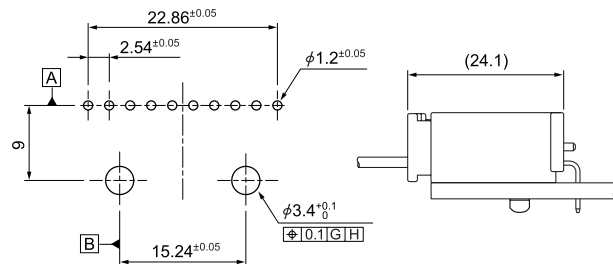
• 2 circuits



• 6 circuits

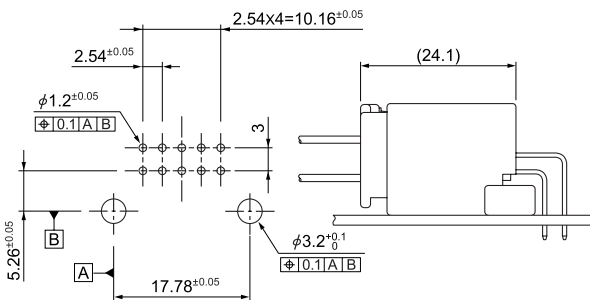


• 10 circuits

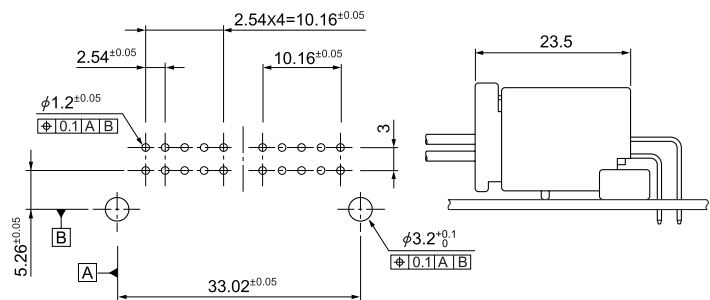


Dual row

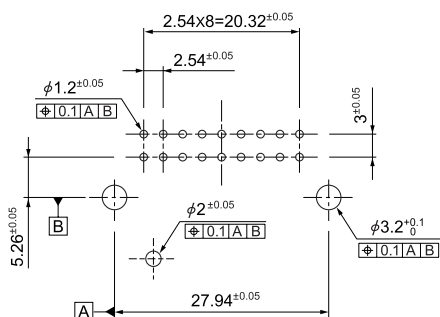
• 10 circuits



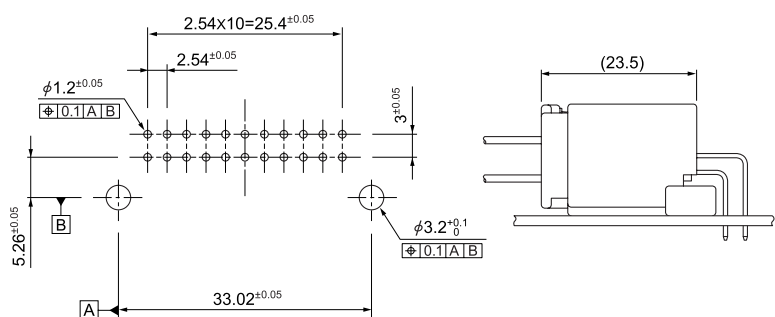
• 20 circuits



• 18 circuits



• 22 circuits



Note: 1. Tolerances are non-cumulative.

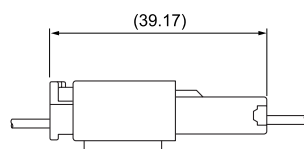
2. Hole dimensions differ according to the type of PC board and piercing method.
The dimensions above should serve as guideline. Contact JST for details.

Assembly layout

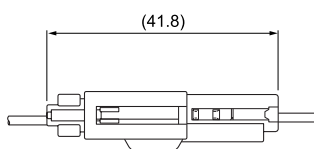
Wire-to-wire type

• Single row

AIT2WSB-()-1()

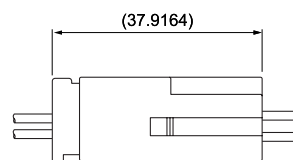


AIT2WSB-()A-1()

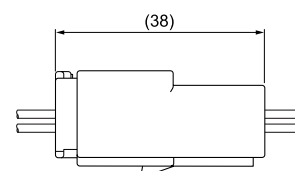


• Dual row

AIT2WSB-()A-2()



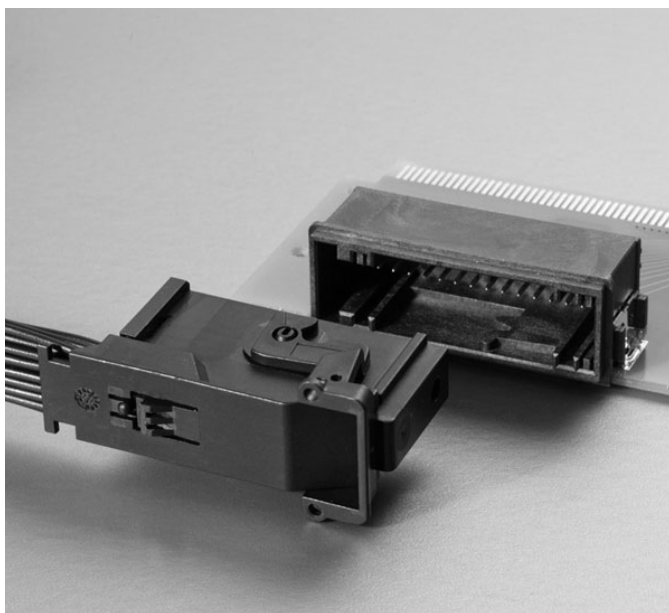
AIT2WSB-22-2AK



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064
SAITW-A03()-064		MK/SAITW-A03-064	APLMK SAITW-A03-064
SAITW-A02()-064		MK/SAITW-A02-064	APLMK SAITW-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

● High Soldering Quality by Auto Coplanarity Technology

- Auto Coplanarity Technology(*1) achieves stable mounting to PCB.
- Self Alignment Effects(*2) enable soldering parts to perform better.

● Terminal Construction

Four contact points and Dual Springs achieve high reliability.

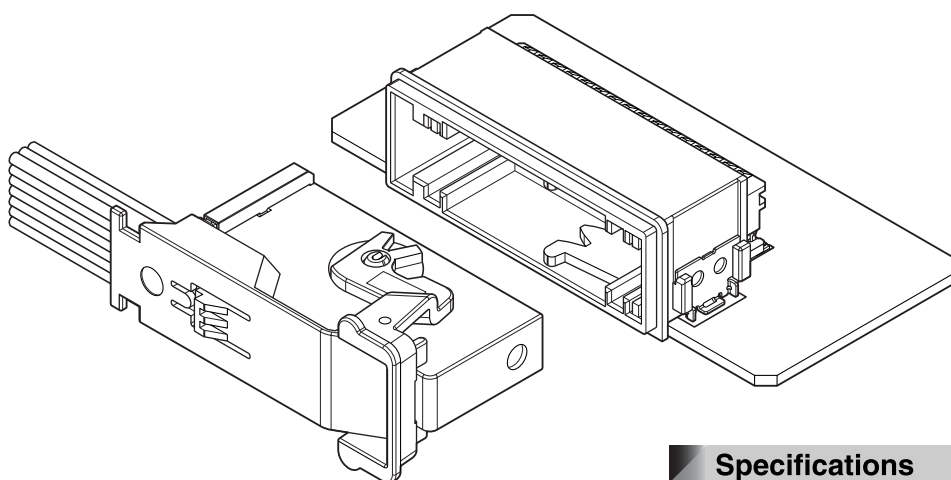
*1. Auto coplanarity technology:

Terminals align to PCB without having influence of PCB warpage or thermal expansion of housing.

*2. Self alignment effects:

Terminals are drawn by surface tension force and align to center position during re-flow process.

2.54mm pitch, 0.64 unsealed surface mounting type connector with Auto Coplanarity Technology.
This technology achieves stable mounting to PCB during re-flow process.



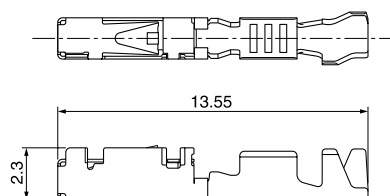
Specifications

- Current rating: 3 A AC, DC
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS
0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS.

* Contact JST for details.

Female terminal



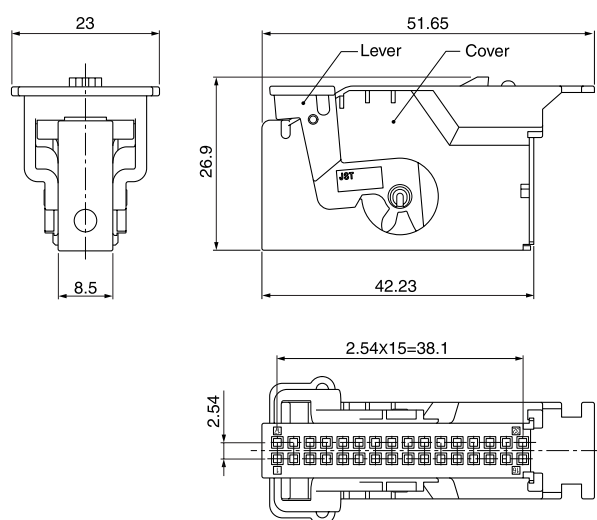
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SGIT-B021T-MS0.64	0.3 to 0.5	1.4 to 1.7	9,000

Material and Finish

Terminal box: SUS
Terminal spring: Copper alloy, tin-plated

Female connector

Cover housing assembly



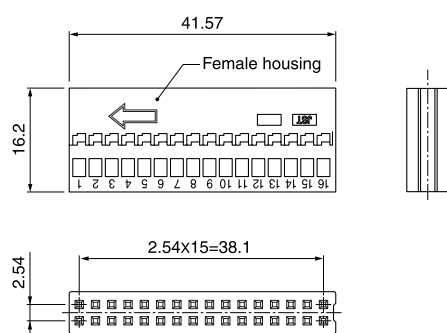
Circuits	Model No.	Q'ty/box
32	32GIT-CL-1A-()-()	600

Material

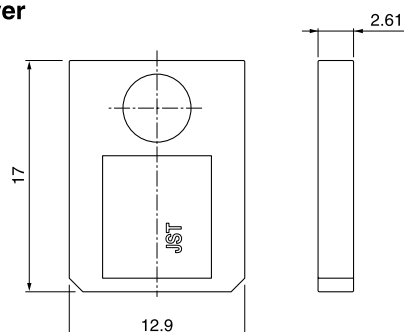
Glass-filled PBT, black

Note: Color/Key codes other than above-mentioned housing are also available.

Female housing



Slide cover



Circuits	Model No.	Q'ty/box
32	GITR-32H-1A-K	975

Material

Glass-filled PBT, black

Model No.	Q'ty/box
GITSL-H-2A-K	500

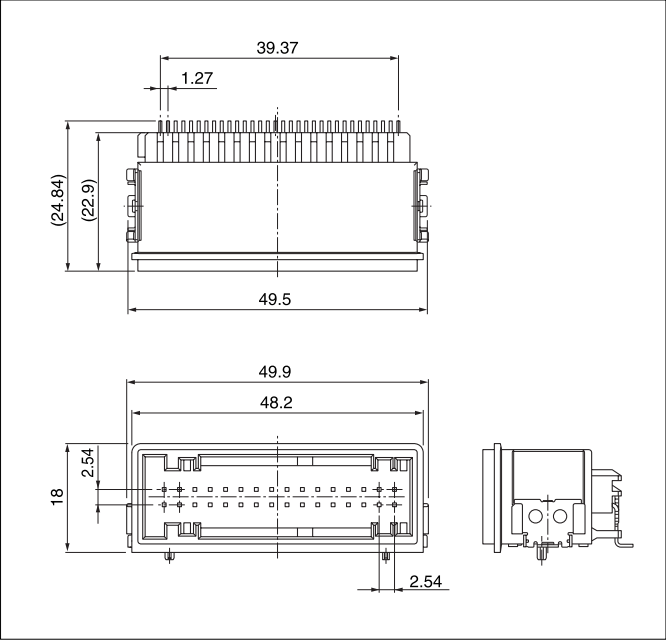
Material

Glass-filled PBT, black

Note: The above Q'ty/box indicates inner box Q'ty. Contact JST for details.

ACA CONNECTOR

Male connector

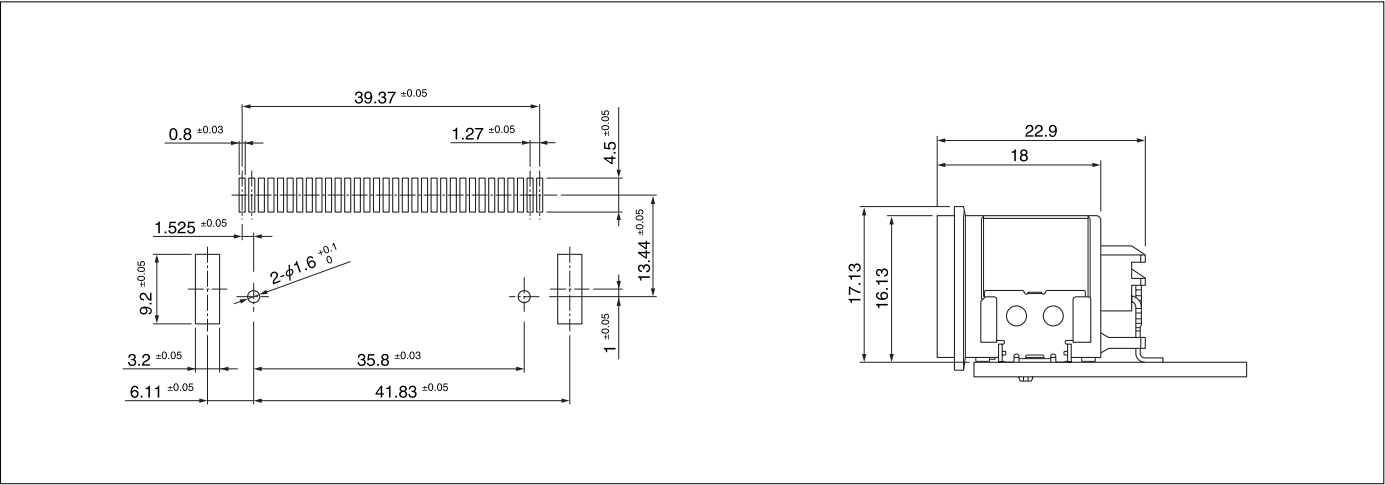


Circuits	Model No.	Q'ty/box
32	SM32B-ACAK-1A-()M	600

Material and Finish		
Housing: Glass-filled LCP, black		
Terminal: Brass, nickel-undercoated, tin-plated		
Tab: Brass, nickel-undercoated, tin-plated		

Note: 1. This product displays (LF)(SN) on a label.
2. Key codes other than above-mentioned housing are also available.
Contact JST for details.

PC board layout (viewed from component side), Assembly layout

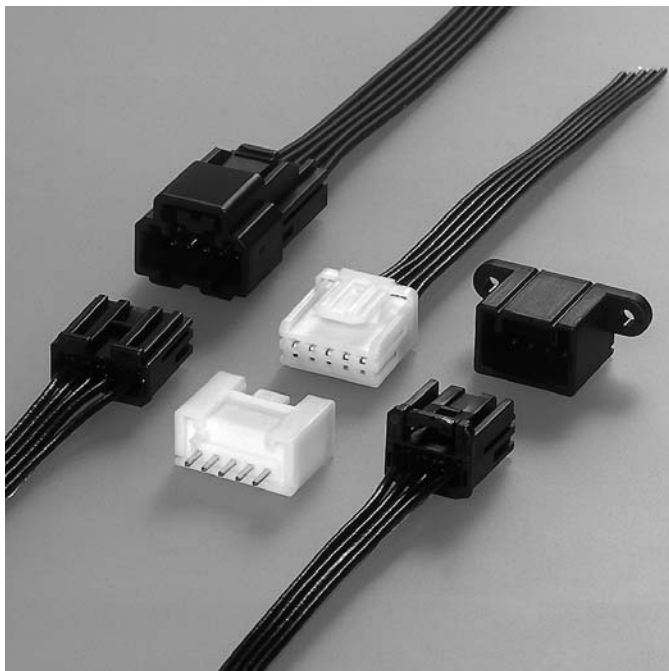


Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

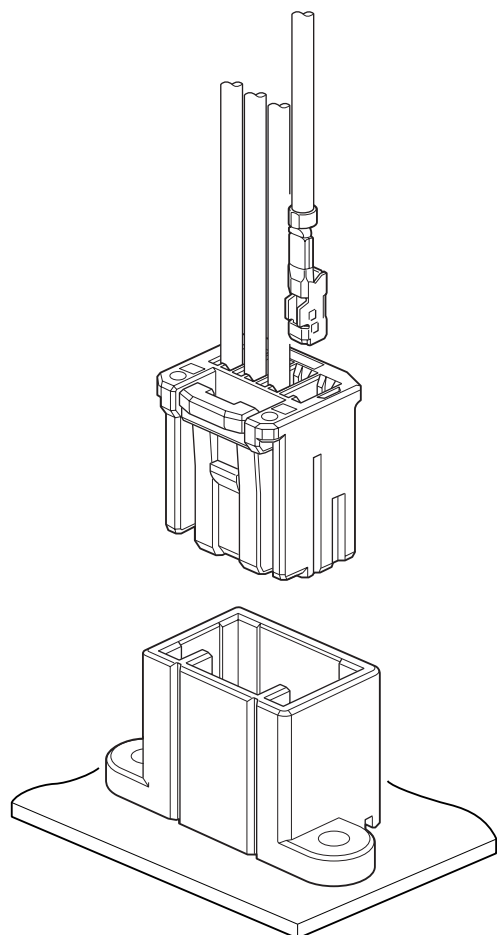
Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SGIT-B021T-MS0.64	AP-K2N	MK/SGIT-B021-064	APLMK SGIT-B021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



0.64 unsealed, low profile, miniaturized connectors for automobile applications.

Meets or exceeds the major performance specifications for automotive electrical connector systems.



Features

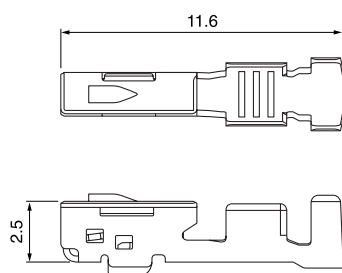
- **Miniaturized Connectors, Compliant with the Automotive Performance Specifications**
- **Boxed Female Terminal with Triple Over-stress Protection Mechanism**
- **Accept 0.64 or 1.0 mm Male Blade**
- **Optional Connector Position Assurance (CPA) Design**
- **Terminal Independent Secondary Lock**
- **Variations**
Multiple circuits sizes and circuit board locking mechanisms available to suit your needs.

Specifications

- Current rating: 5 A DC
- Voltage rating: 14 V DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 20 MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS
0.3 mm² to 0.5 mm²
: UL Cable
0.21 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal



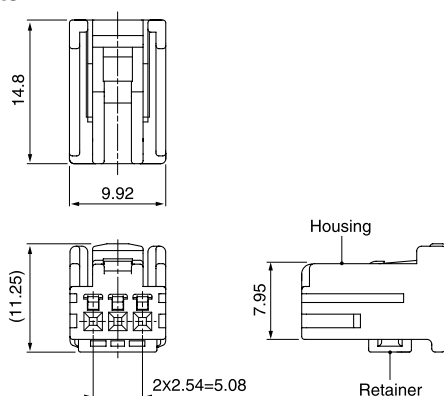
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SHCM-A03T-P025	0.3 to 0.5	1.4 to 1.9	5,000
SHCM-A04T-P025	0.21	1.5	5,000
Material and Finish			
Copper alloy, tin-plated			

Female connector

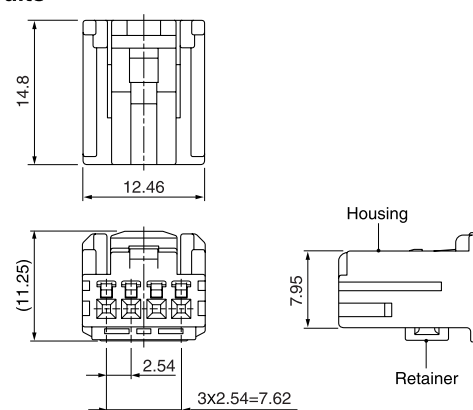
Single row

Inner lock type

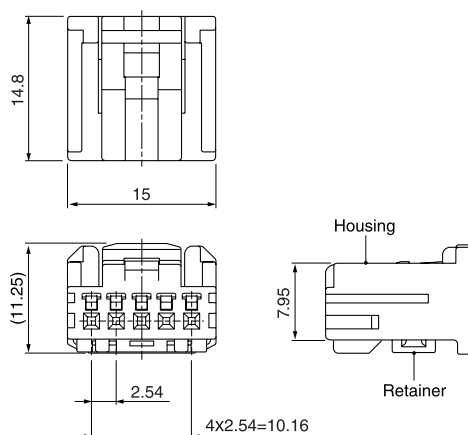
• 3 circuits



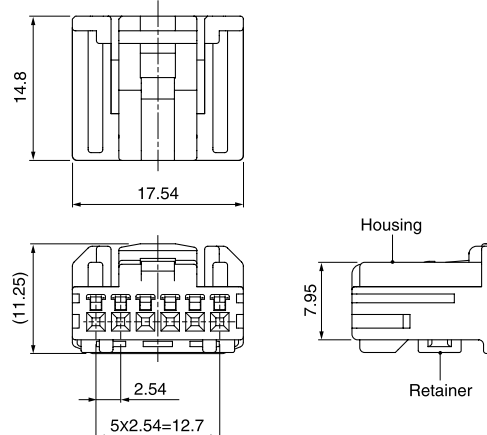
• 4 circuits



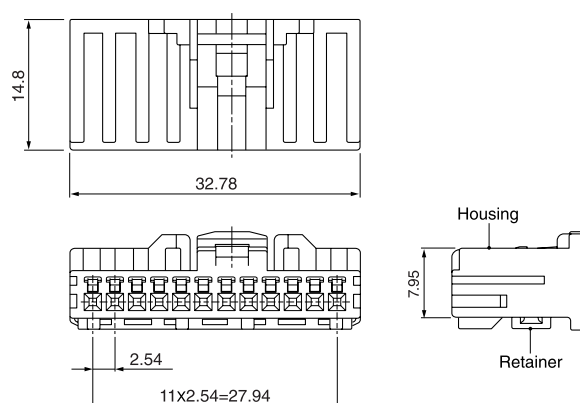
• 5 circuits



• 6 circuits



• 12 circuits

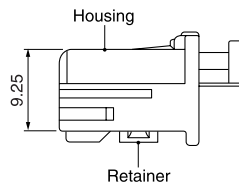
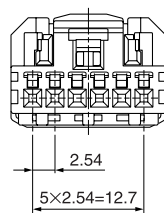
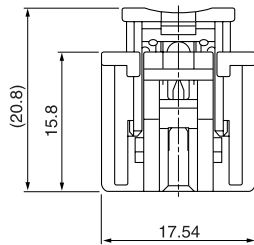


Female connector

Single row

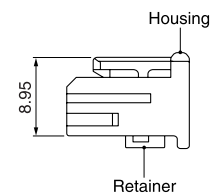
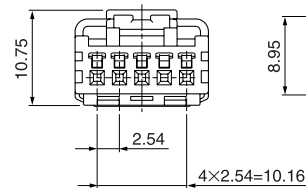
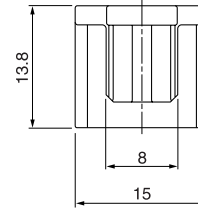
Inner lock type

● 6 circuits (W/CPA type)



Outer lock type

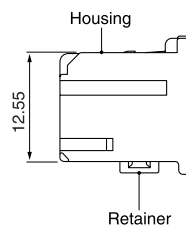
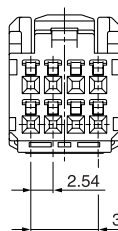
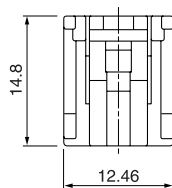
● 5 circuits



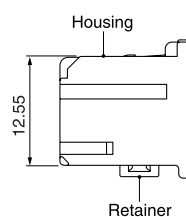
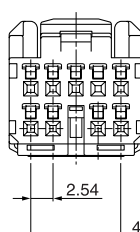
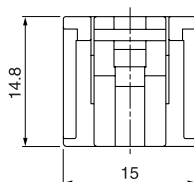
Dual row

Inner lock type

● 8 circuits



● 9 circuits



Single row

Type	Circuits	Model No.	Q'ty/box	Housing Color
Inner lock	3	HCMPB-03-K	800	Black
		HCMPB-03-S	800	White
	4	HCMPB-04-K	600	Black
		HCMPB-04-H	600	Gray
		HCMPB-04-S	600	Natural (White)
	5	HCMPB-A05-K	8,000	Black
		HCMPB-A05-S	500	Natural (White)
	6	HCMPB-06-K	400	Black
		HCMPB-06-S	400	Natural (White)
	12	HCMPB-12-K	200	Black
	*12	HCMPB-A12-K	200	Black
Inner lock (W/CPA)	6	HCMPB-C06A-K	4,500	Black
		HCMPB-C06A-S	4,500	Natural (White)
Outer lock	5	HCMPB-05-K	500	Black
		HCMPB-05-S	500	Natural (White)

Material and Finish

Housing: PBT

Retainer: PBT, Blue

CPA (Only for 6 circuits with CPA): Glass-filled PBT, Red

*Additional keying

Dual row

Circuits	Model No.	Q'ty/box	Housing Color
8	HCMDBP-08-K	400	Black
	HCMDBP-08-S	400	Natural (White)
9	HCMDBP-09-K	400	Black

Material and Finish

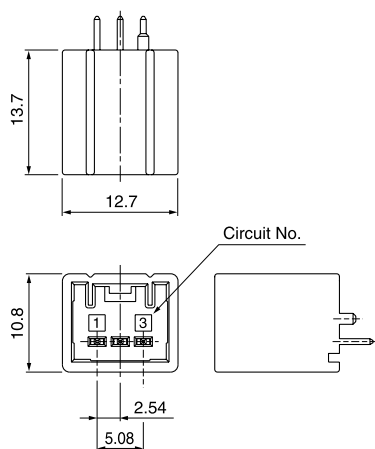
Housing: PBT

Retainer: PBT, Blue

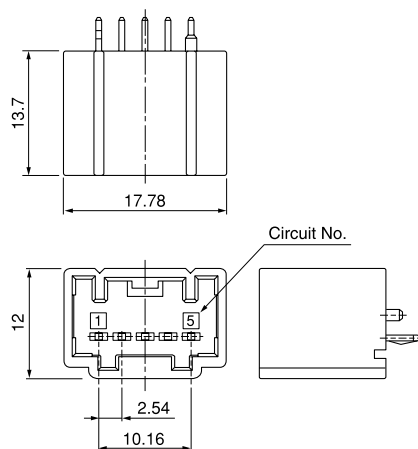
Male connector (Top entry type)

Inner lock type

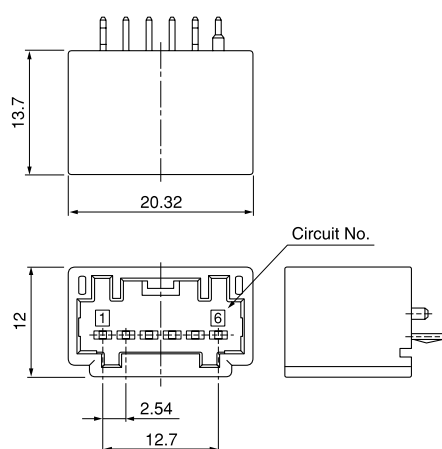
• 3 circuits



• 5 circuits

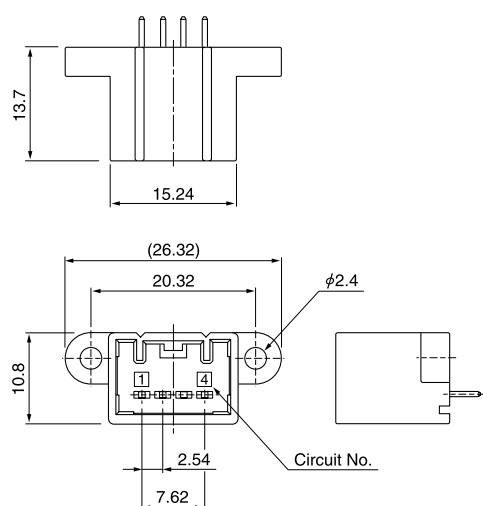


• 6 circuits

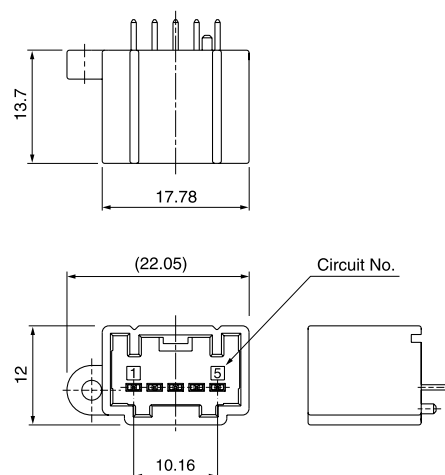


Screw hole

• 4 circuits

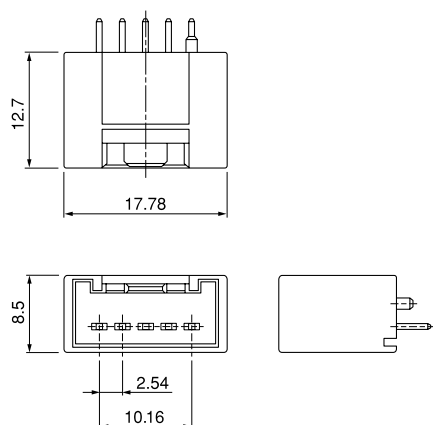


• 5 circuits



Outer lock type

• 5 circuits



Type	Circuits	Model No.	Q'ty/box	Housing Color
Inner lock	3	B03B-HCMKS	480	Black
		B03B-HCMSS	480	Natural (White)
	5	B05B-AHCMKK	288	Black
		B05B-AHCMKS	288	Natural (White)
	6	B06B-HCMKK	240	Black
		B06B-HCMSK	240	Natural (White)
Inner lock (Screw hole)	4	B04B-HCMKS-R	240	Black
		B04B-HCMKS-RA	240	Black
		B04B-HCMKS-2R	240	Black
	5	B05B2-AHCMKS-A	270	Black
Outer lock	5	B05B-HCMKS-R	432	Black
		B05B-HCMSS-R	432	Natural (White)

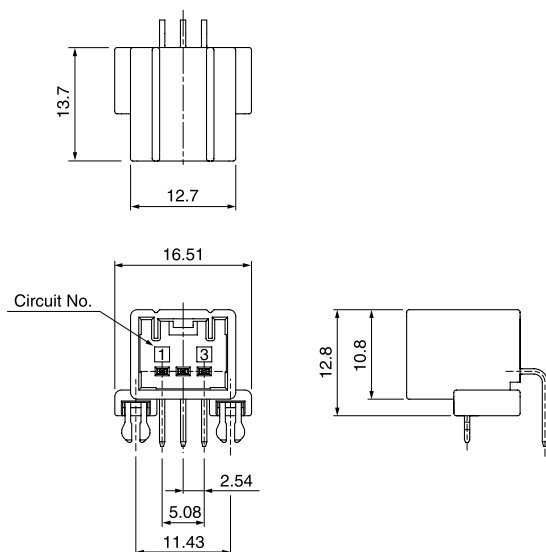
Material and Finish

Housing: Glass-filled PBT
Pin: Brass, tin-plated

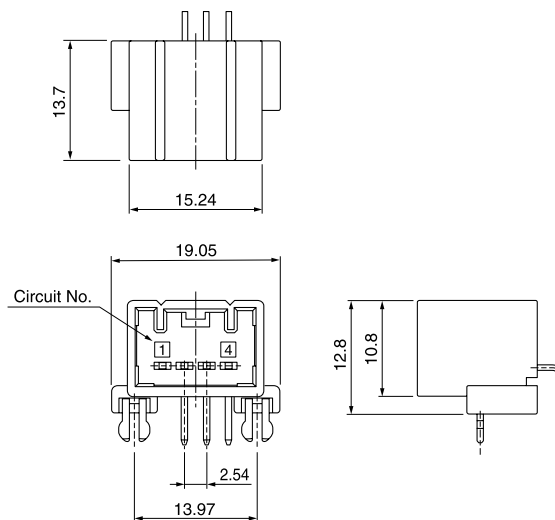
Male connector (Side entry type)

Reinforcement type

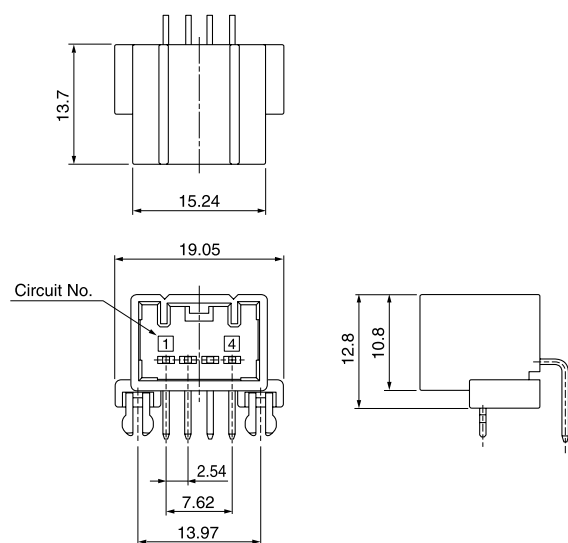
● 3 circuits (S03B1-HCMKS)



● 3 circuits (S04B1A-HCMKS)



● 4 circuits

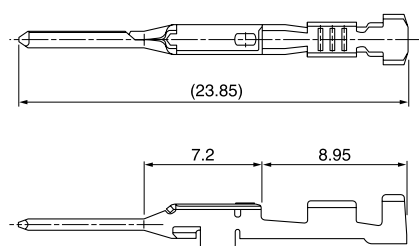


Circuits	Model No.	Q'ty/box	Housing Color
3	S03B1-HCMKS	180	Black
	S04B1A-HCMKS	165	Black
4	S04B1-HCMKS	165	Black
	S04B1-HCMSS	165	Natural (White)

Material and Finish

Housing: Glass-filled PBT
Pin: Brass, tin-plated

Male terminal



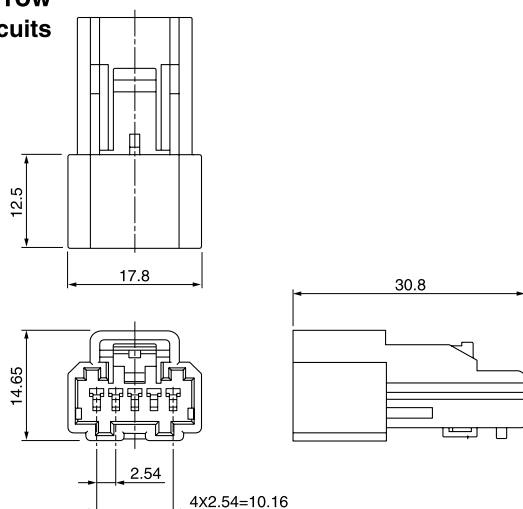
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SHCMW-A03T-040	0.3 to 0.5	≤1.9	5,000

Material and Finish

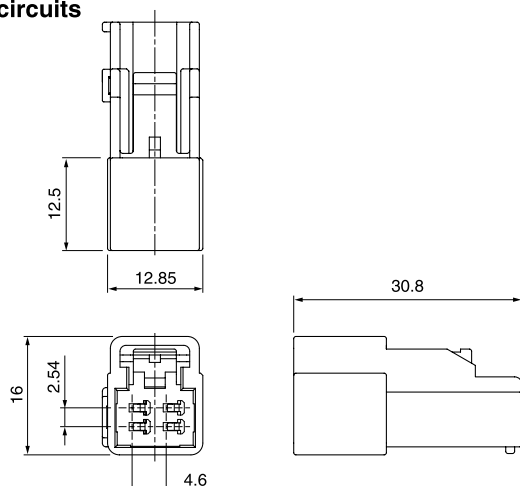
Brass, tin-plated (reflow treatment)

Male connector (Wire-to-wire)

Single row • 5 circuits

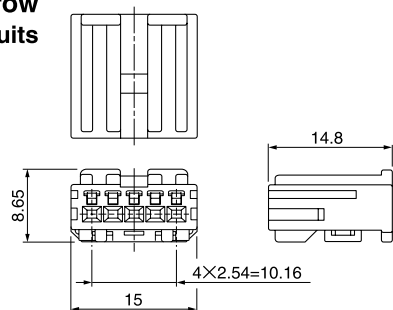


Dual row • 4 circuits

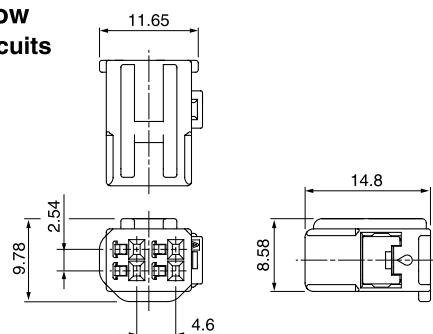


Female connector

Single row • 5 circuits



Dual row • 4 circuits



Type	Circuits	Model No.	Q'ty/box	Housing Color
Single row	5	HCMWSB-05-K	200	Black
Dual row	4	HCMDWSB-04-S	250	Natural (White)

Material and Finish

Housing: PBT
Retainer: PBT, Blue

Type	Circuits	Model No.	Q'ty/box	Housing Color
Single row	5	HCMWPB-05-K	500	Black
Dual row	4	HCMDWPB-04-S	13,000	Natural (White)
		HCMDWPB-04-K	13,000	Black

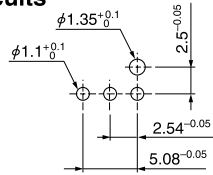
Material and Finish

Housing: PBT
Retainer: PBT, Blue

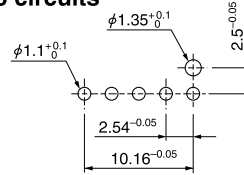
PC board layout

Top entry type

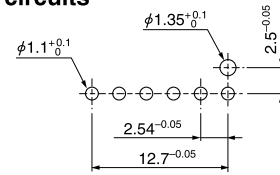
• 3 circuits



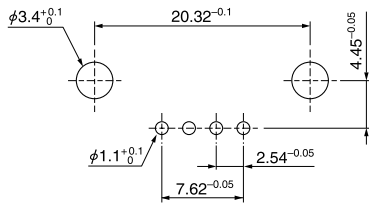
• 5 circuits



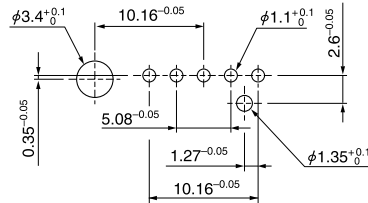
• 6 circuits



• 4 circuits (with screw hole)

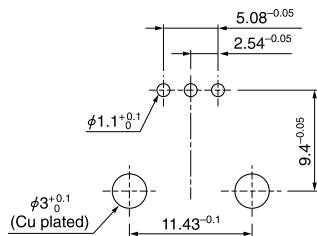


• 5 circuits (with screw hole)

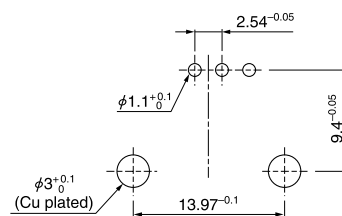


Side entry type (with reinforcement)

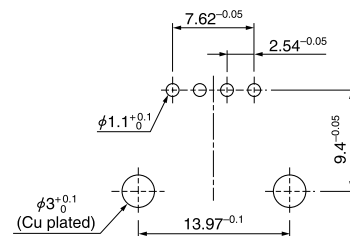
• 3 circuits



• 3 circuits (with 4 circuits housing)



• 4 circuits

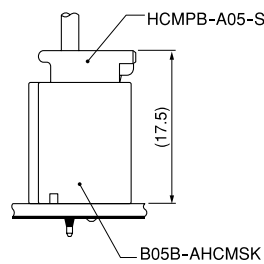
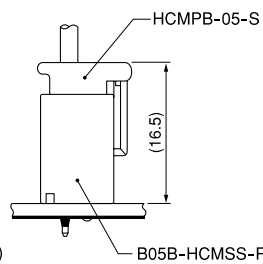
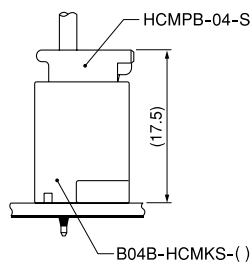


Note: 1. Tolerances are non-cumulative.

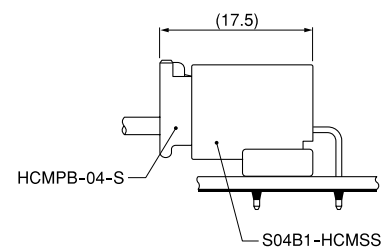
2. Hole dimensions differ according to the type of PC board and piercing method.
The dimensions above should serve as a guideline. Contact JST for details.

Assembly layout

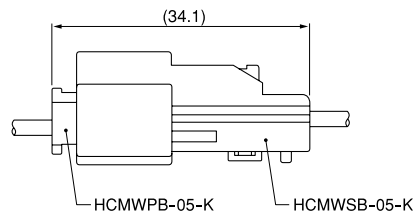
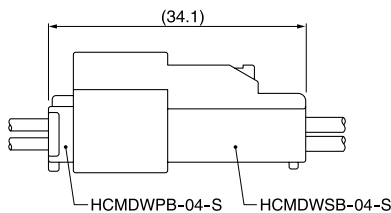
Top entry type



Side entry type



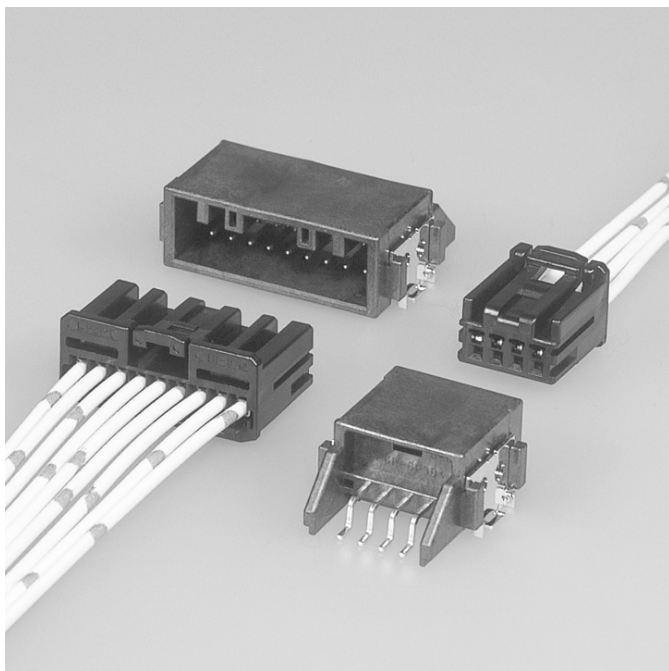
Wire-to-wire type



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SHCM-A03T-P025	AP-K2N	MK/SHCM-A03-025	APL MK SHCM-A03-025
SHCM-A04T-P025		MK/SHCM-A04-025	APL MK SHCM-A04-025
SHCMW-A03T-040		MK/SHCMW-A03-040	APL MK SHCMW-A03-040

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



2.54mm pitch, 0.64 unsealed connector for automotive corresponding to the surface mounting.

Features

●Miniaturization

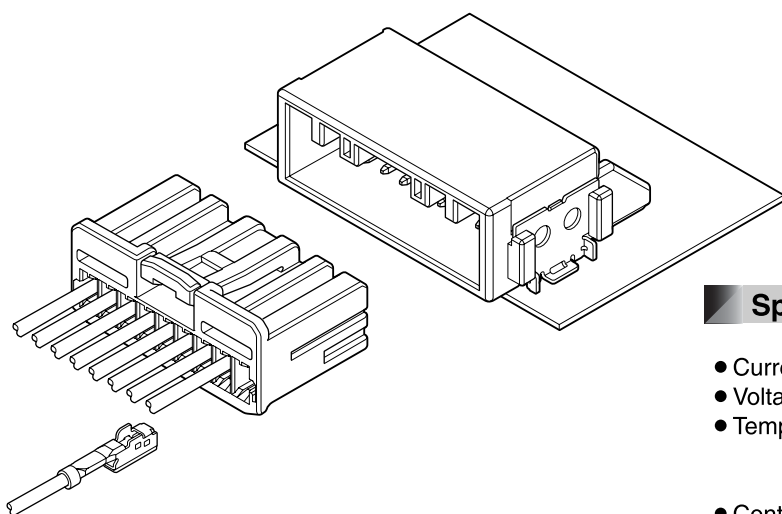
Using the short length female terminal, the miniaturization is realized.

●Surface mounting

Corresponding to the surface mounting (lead-free), mounting workability is improved.

●Reliability

High reliability ensures by using proven female terminal in the automotive electrical equipment.

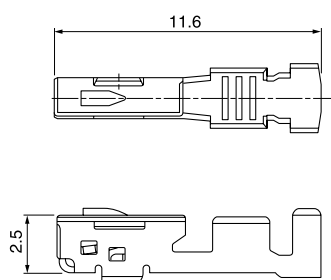


Specifications

- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 50V AC, DC
- Temperature range: -40°C to +120°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.
After environmental testing/20mΩ max.
- Applicable wire: AVSS
0.3mm² to 0.5mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

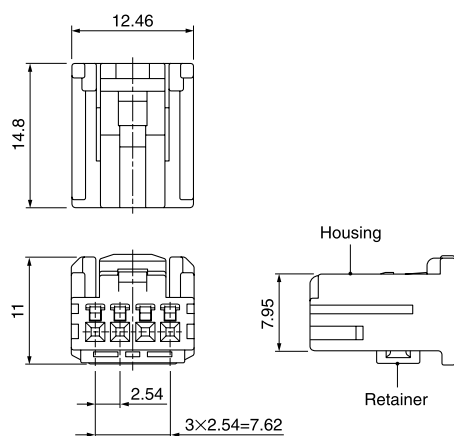
Female terminal



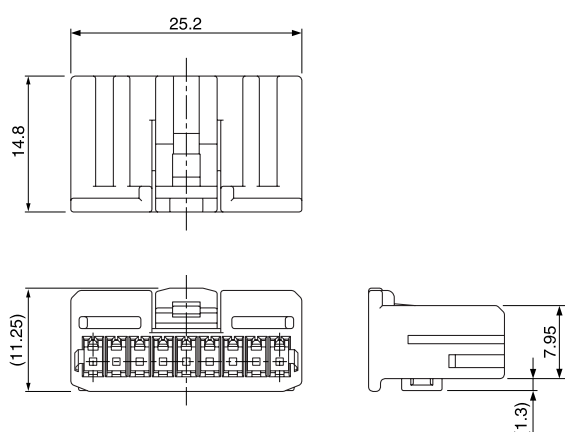
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SHCM-A03T-P025	0.3 to 0.5	1.4 to 1.8	5,000
Material and Finish			
Copper alloy, tin-plated (reflow treatment)			

Female connector

● 4 circuits

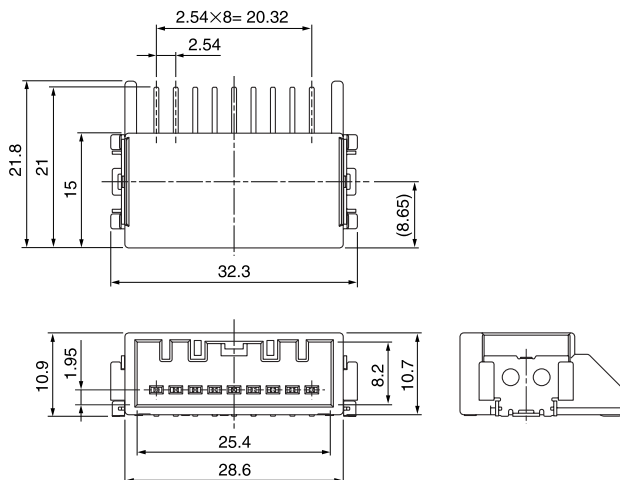
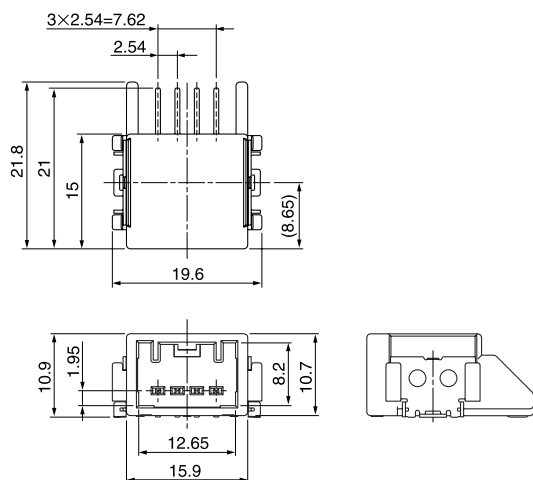


● 9 circuits



Circuits	Model No.	Q'ty/box
4	HCMPB-04-K	600
9	HCHFB-09-KE	300
Material		
Housing: PBT, black Retainer: PBT, blue		

- 9 circuits



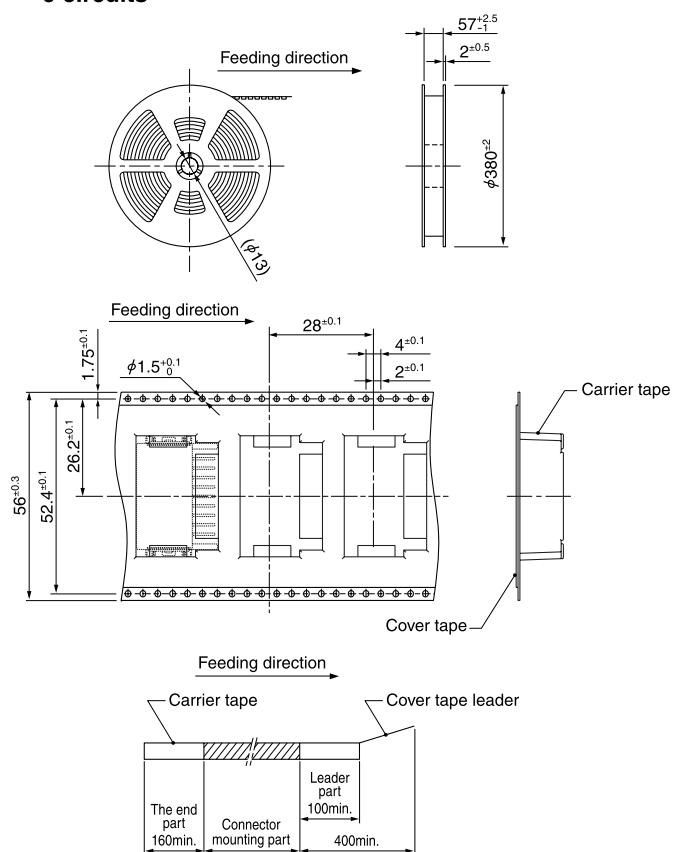
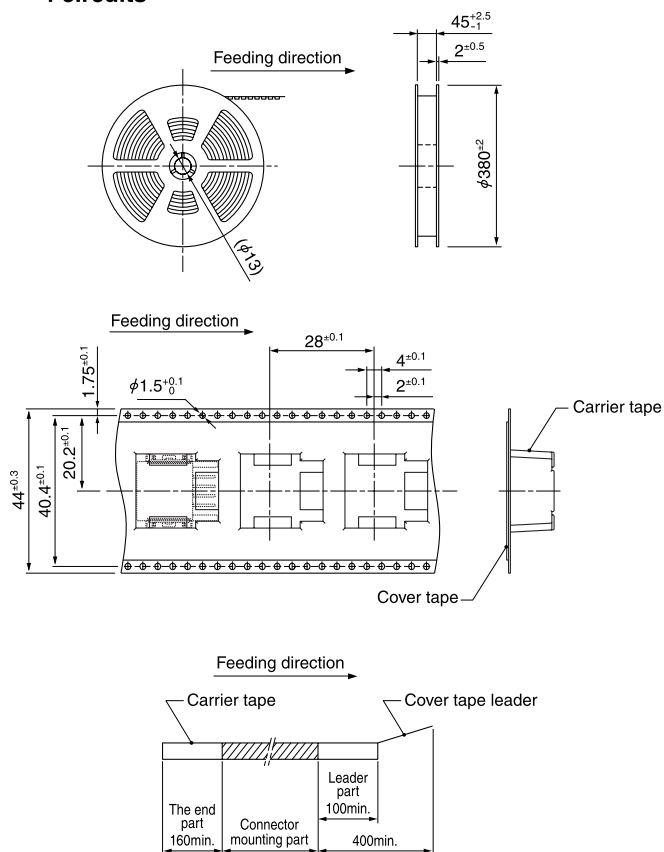
Material and Finish

Housing: Glass-filled LCP, black
Terminal: Brass, nickel-undercoated, tin-plated
Reinforcing tab: Brass, nickel-undercoated, tin-plated

Note: This product displays (LF)(SN) on a label.

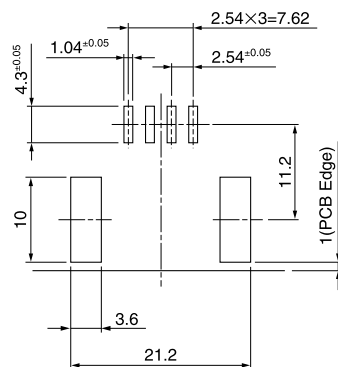
Taping Specifications

- 9 circuits

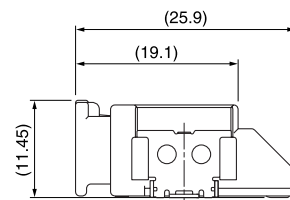
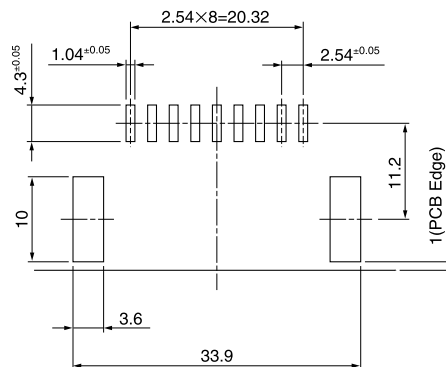


PC board layout, Assembly layout

● 4 circuits



● 9 circuits



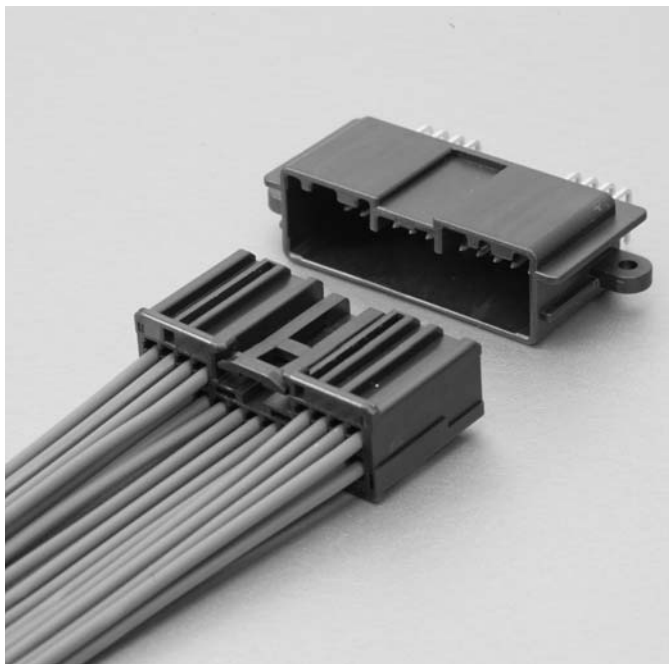
Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.

2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SHCM-A03T-P025	AP-K2N	MK/SHCM-A03-025	APLMK SHCM-A03-025

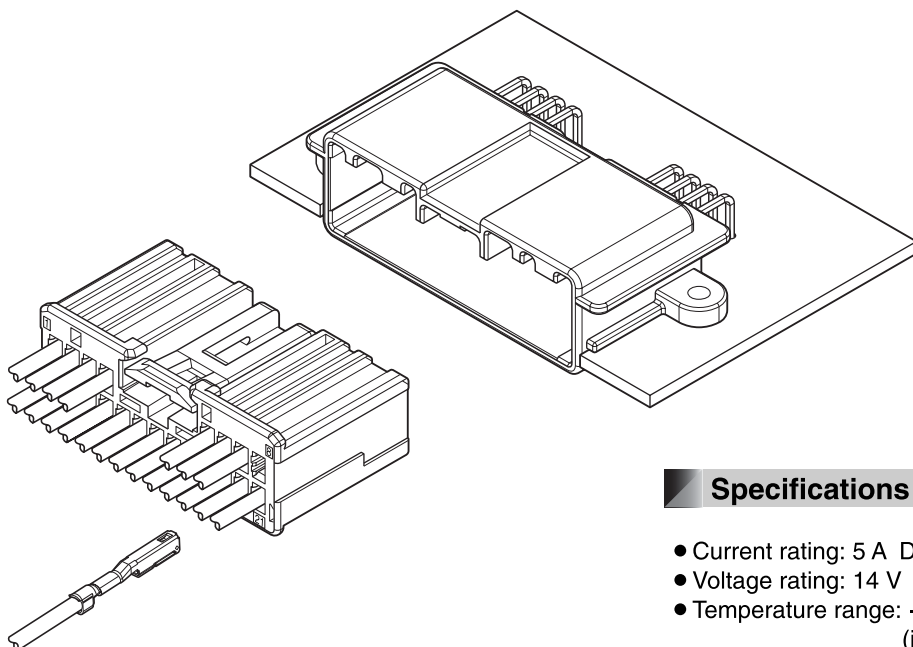
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- 21 Circuits: 0.64 Unsealed Connector
- Unique PCB mounting, low profile side entry design
- Varieties of Color and Key code options are available

21 Circuits 0.64 Unsealed Connector system.
Ultra low profiled design for high density PCB placement.

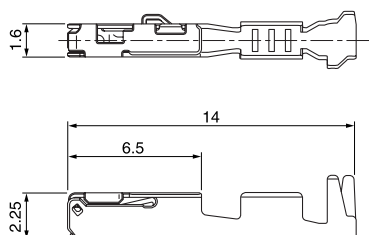


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: SAE/AVSS/CAVS
0.3 mm² to 0.8 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

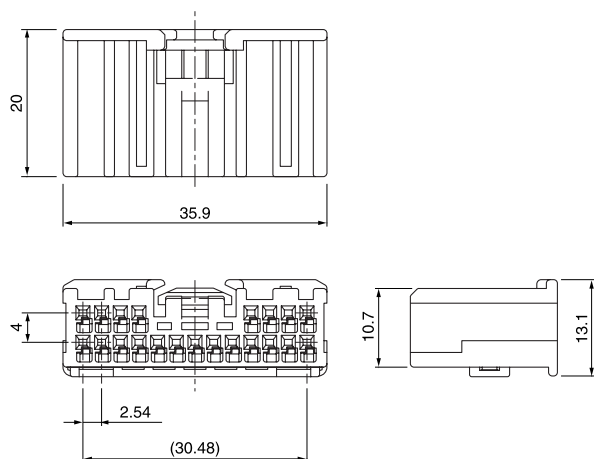


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.8	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector

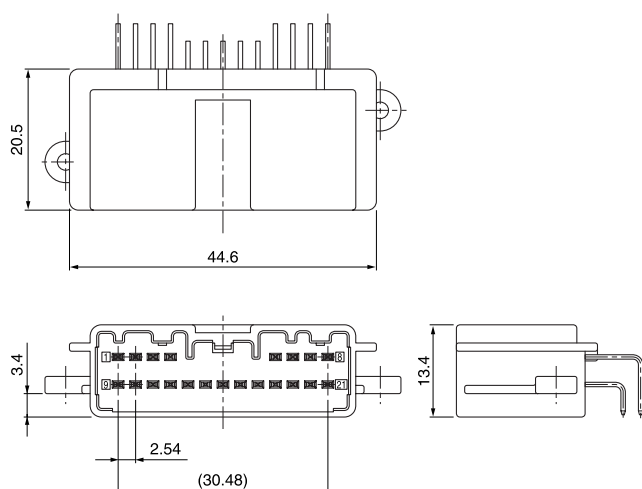


Circuits	Model No.	Key Code	Q'ty/box	Housing Color	TPA Color
21	ATLPB-21-2AK	A	1,500	Black	Natural (White)
	ATLPB-21-2BH	B	1,500	Gray	Natural (White)
	ATLPB-21-2CD	C	1,500	Orange	Black
	ATLPB-21-2DD	D	1,500	Orange	Natural (White)

Material and Finish

Housing: PBT
TPA: Glass-filled PBT

Male connector

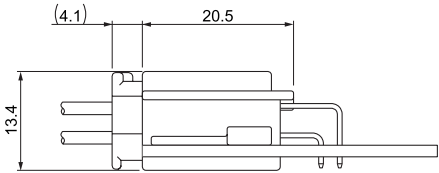
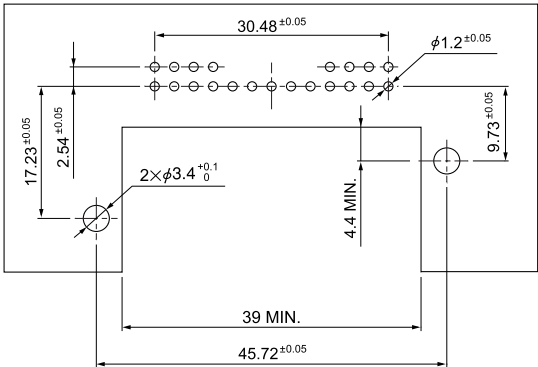


Circuits	Model No.	Key Code	Q'ty/box	Housing Color
21	S21BA-ATL-2AK	A	700	Black
	S21BA-ATL-2BH	B	700	Gray
	S21BA-ATL-2CD	C	700	Orange
	S21BA-ATL-2DD	D	700	Orange

Material and Finish

Housing: Glass-filled PBT
Pin: Brass, tin-plated

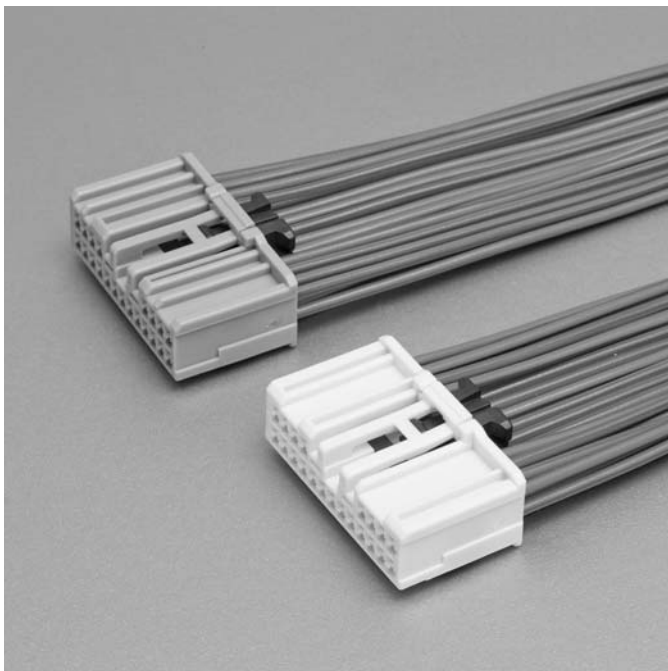
PC board layout, Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

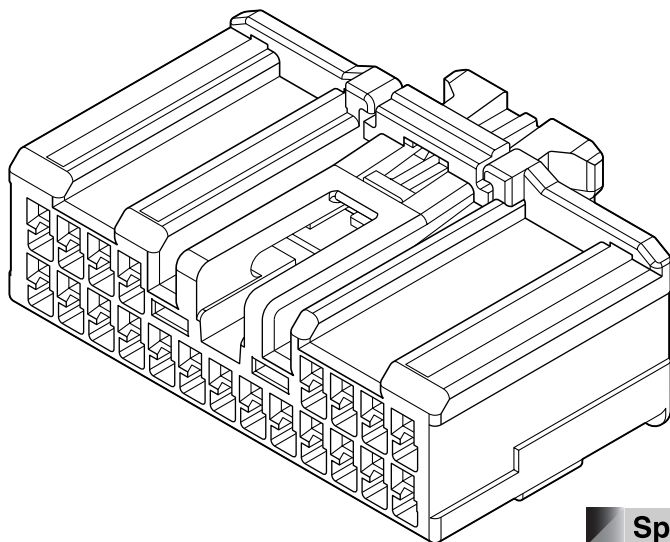
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- 21 circuits: 0.64 Unsealed Connector
- CPA (Connector Position Assurance) Design
- Key option is available.
- High Temperature Resistance

21 Circuits 0.64 Unsealed Connector system with CPA.
Ultra low profile design.

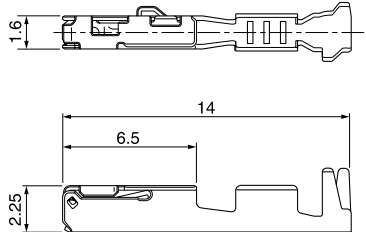


Specifications

- Current rating: 5 A AC, DC max.
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: FLR2X
0.35 mm² to 0.75 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

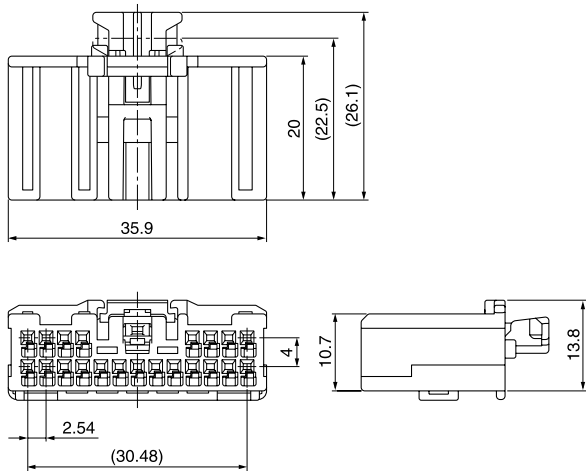


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.35 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75	≤1.9	6,500
②SAIT-A03GF-M064	0.35 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75	≤1.9	6,500

Material and Finish

copper alloy, tin-plated (reflow treatment)
whopper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector



Circuits	Model No.	Q'ty/box	Housing Color	TPA and CPA Color
21	ATLCPB-21-2AY	1,500	Yellow	Black
	ATLCPB-21-2BH	1,500	Gray	Natural

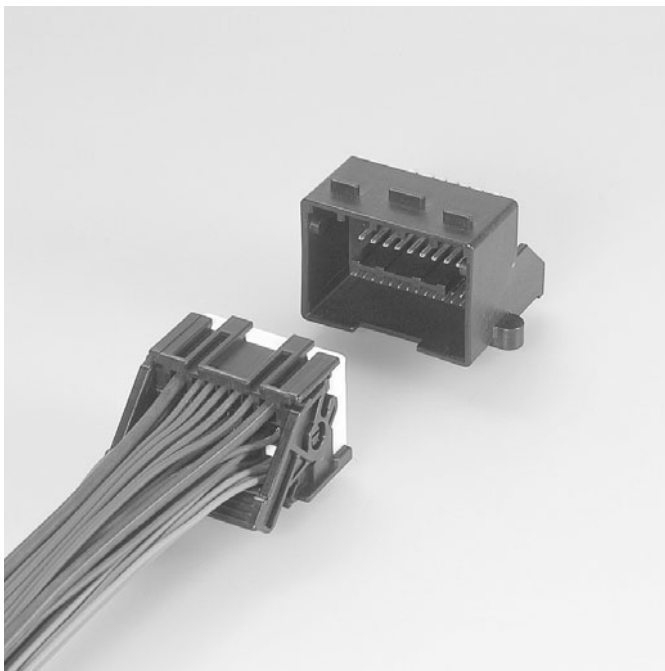
Material and Finish

Housing: PBT
TPA: Glass-filled PBT
CPA: Glass-filled PBT

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



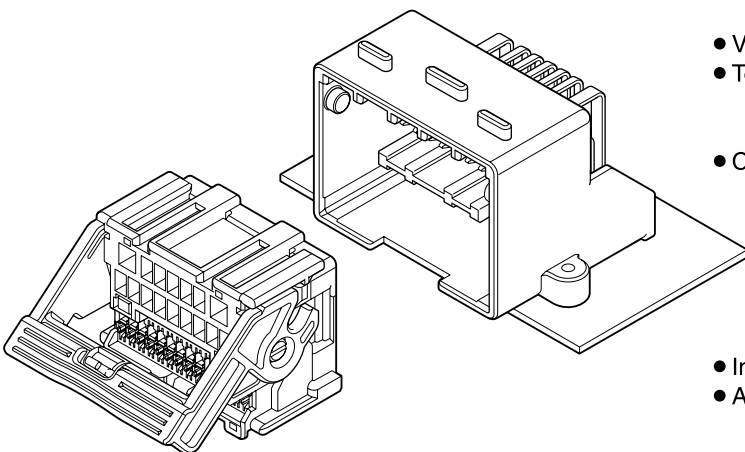
0.64/1.5 /2.8 hybrid circuits unsealed board-to-wire connector with lever mechanism proven in Automotive Radio application.

Features

- Optimum Combination of Power and Signal pins for Car Audio System
- 44 Circuits 0.64/1.5/2.8 Hybrid Board-to-Wire Connection System
- Pre-set Terminal Position Assurance (TPA)
- Pre-locked lever mechanism for low overall mating force
- Compact design

Specifications

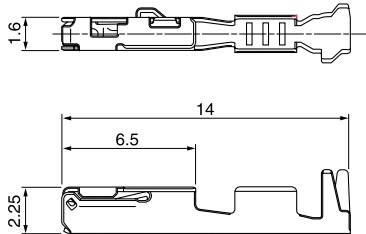
- Current rating: Signal; 5A DC max. (0.64 Terminal)
Power; 15A DC max. (1.5 Terminal)
Power; 25A DC max. (2.8 Terminal)
- Voltage rating: 14V DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - 0.64 Terminal; Initial value/15mΩ max.
After environmental testing/15mΩ max.
 - 1.5 Terminal; Initial value/8mΩ max.
After environmental testing/8mΩ max.
 - 2.8 Terminal; Initial value/5mΩ max.
After environmental testing/5mΩ max.
- Insulation resistance: 100MΩ min.
- Applicable wire:
 - 0.64 Terminal; SAE/AVSS/CAVS, 0.3mm² to 0.8mm²
 - 1.5 Terminal; 0.35mm² to 1.0mm²
 - 2.8 Terminal; 0.35mm² to 5.0mm²



* Compliant with ELV/RoHS.
* Contact JST for details.

RAD CONNECTOR

Female terminal



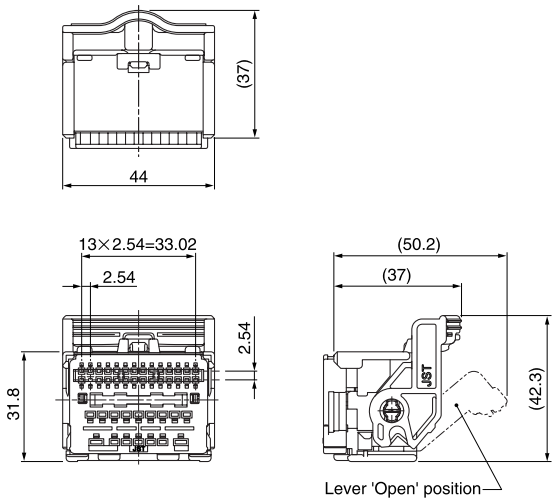
Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm²)	Insulation O.D. (mm)	
0.64	SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
	SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
1.5	GT150 or equivalent Terminal (customer specified Terminal.)			
2.8	GT280 or equivalent Terminal (customer specified Terminal.)			

Material and Finish

0.64 Terminal: Copper alloy, tin-plated (reflow treatment)

1.5, 2.8 Terminal: Copper alloy, (refer to Delphi Connection Systems for detail)

Female connector



Circuits	Model No.	Q'ty/box
44	RADPB-44-1AK	180

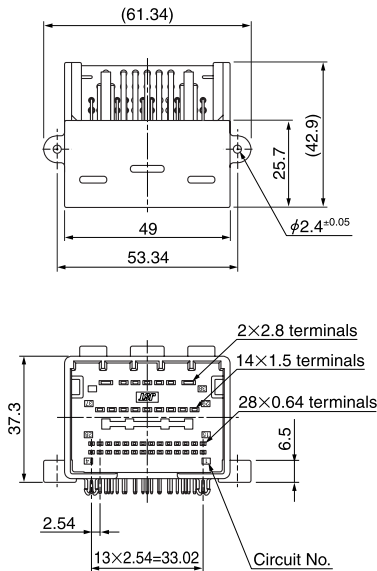
Material

Housing: Glass-filled PBT, black

TPA: Glass-filled PBT, natural (white)

Lever: Glass-filled PBT, black

Male connector



Circuits	Model No.	Q'ty/box
44	S44B-RAD-1AK	105

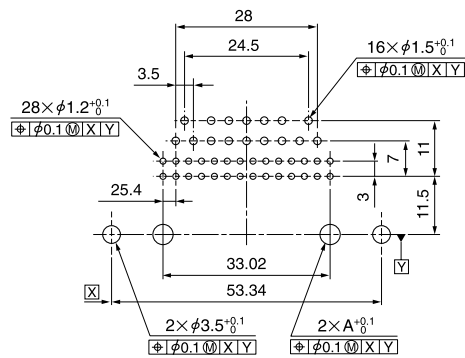
Material and Finish

Housing: Glass-filled PBT, black

Tine-plate: Glass-filled PBT, black

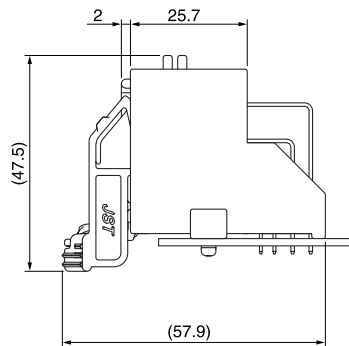
Pin: Copper alloy, tin-plated

PC board layout, Assembly layout

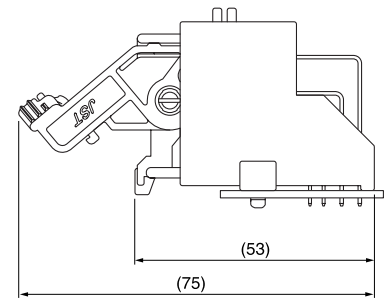


No.	Retention method to PCB	A
1	Disable retention post	φ5
2	Enable retention post	φ4

● Closed position



● Open position



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
 2. Hole dimensions differ according to the type of PC board and piercing method.
 The dimensions above should serve as guideline. Contact JST for details.

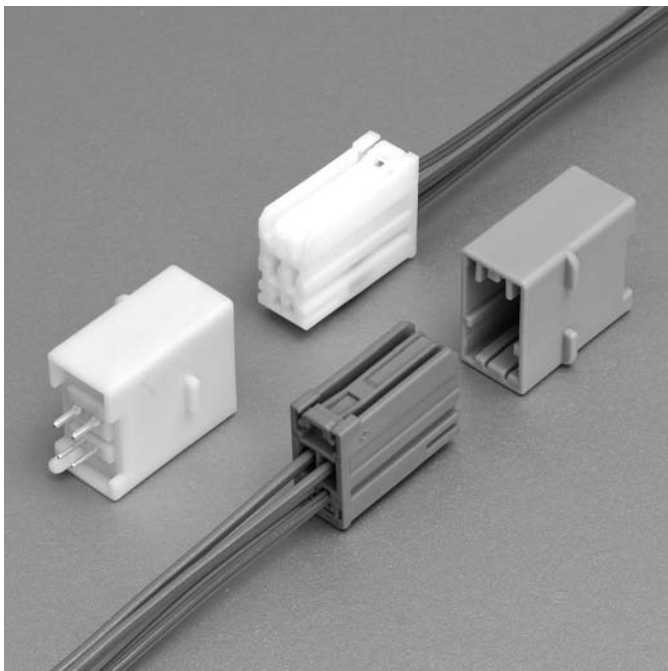
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03T-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02T-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

HSDP CONNECTOR

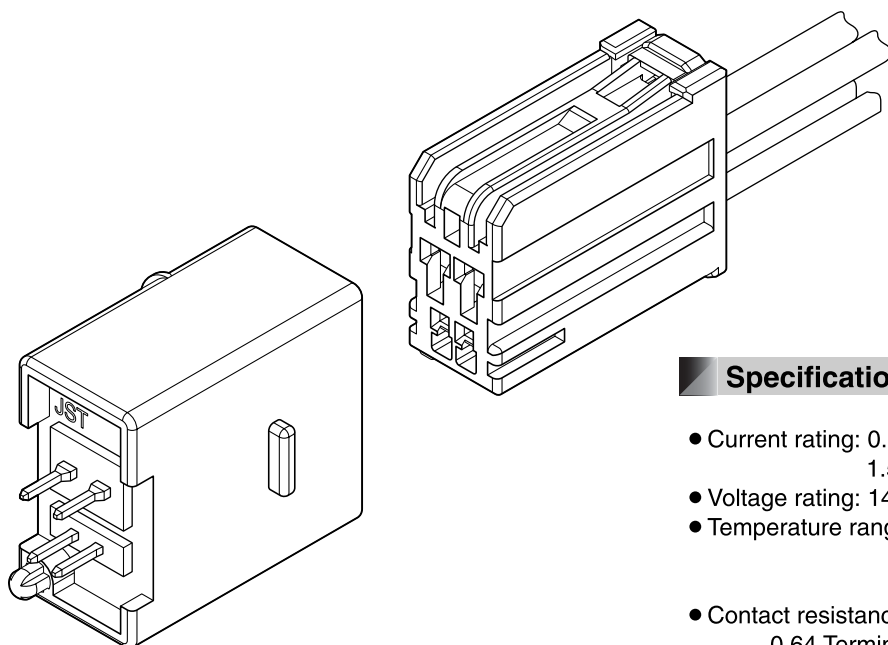
Board-to-wire



Features

- Key option is available.
- Small Packaging with Signal and Power

0.64/1.5 Hybrid circuits connector

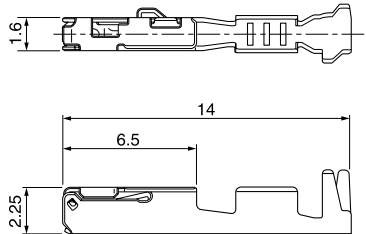


Specifications

- Current rating: 0.64 Terminal/ 5 A AC, DC max.
1.5 Terminal/ 14 A AC, DC max.
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - 0.64 Terminal; Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
 - 1.5 Terminal; Initial value/ 8.0 mΩ max.
After environmental tests/ 8.0 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS/ CAVS/ TXL/ ISO
0.3 mm² to 0.85 mm²

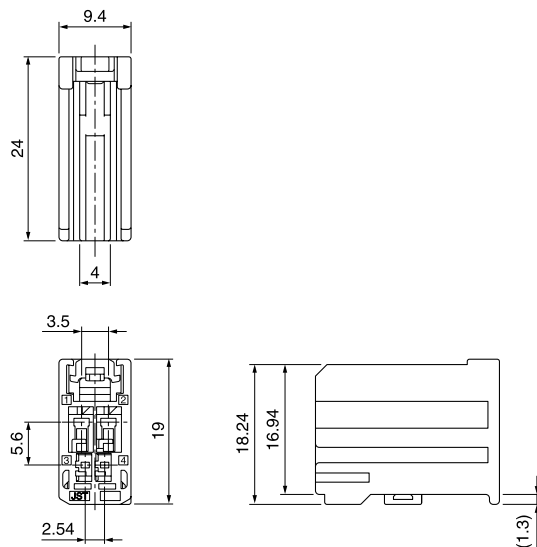
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal



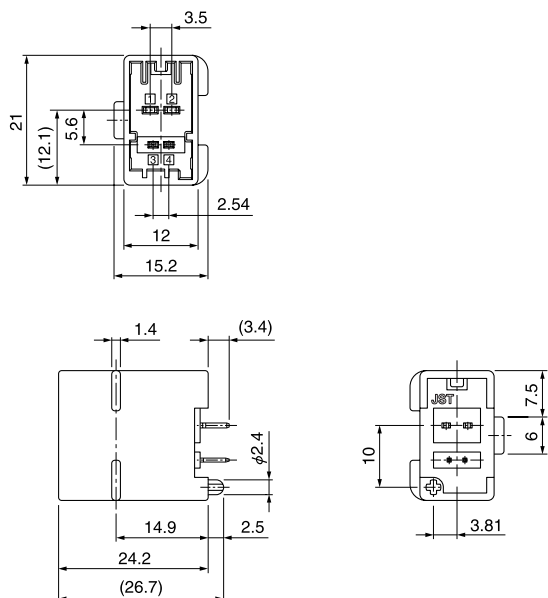
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.85	≤1.9	6,500
②GT150 or equivalent Terminal (Customer specified Terminal)			
Material and Finish			
①Copper alloy, tin-plated (reflow treatment)			
②Copper alloy (refer to Delphi connection Systems for detail)			

Female connector



Circuits	Option	Model No.	Q'ty/box	Housing Color
4	B	HSDPPB-04-2BH	4,000	Gray
	D	HSDPPB-04-2DM	4,000	Green
	F	HSDPPB-04-2FS	4,000	Natural
Material and Finish				
Housing: PBT				
TPA: PBT, Blue				

Male connector



Circuits	Option	Model No.	Q'ty/box	Housing Color
4	B	B04B-HSDP-2BH	1,560	Gray
	D	B04B-HSDP-2DM	1,560	Green
	F	B04B-HSDP-2FS	1,560	Natural
Material and Finish				
Housing: Glass-filled, PPA				
1.5 Male pin: Brass, tin-plated				
0.64 Male pin: Brass, tin-plated				

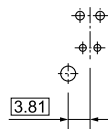
HSDP CONNECTOR

PC board layout, Assembly layout

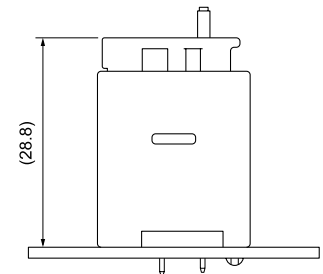
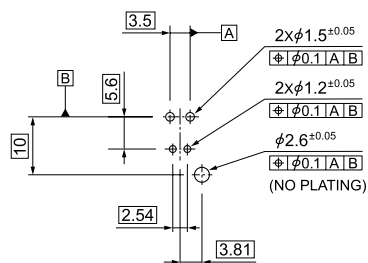
• Option B



• Option D



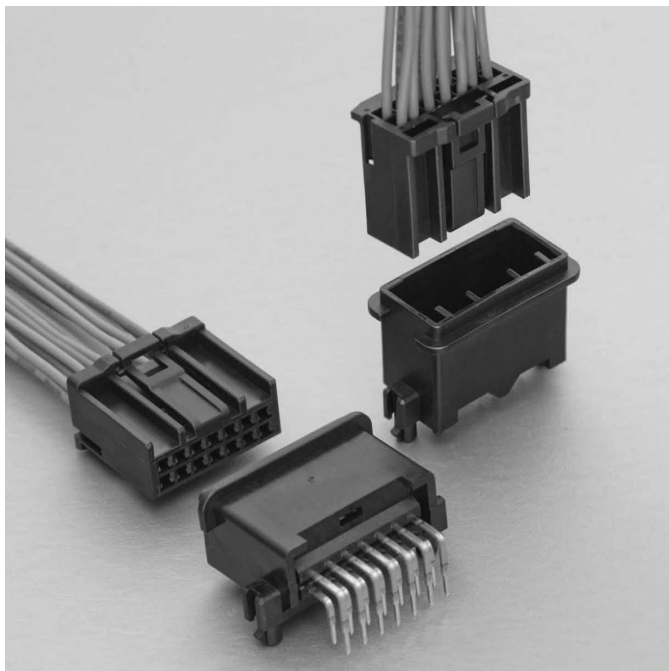
• Option F



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03T-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02T-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

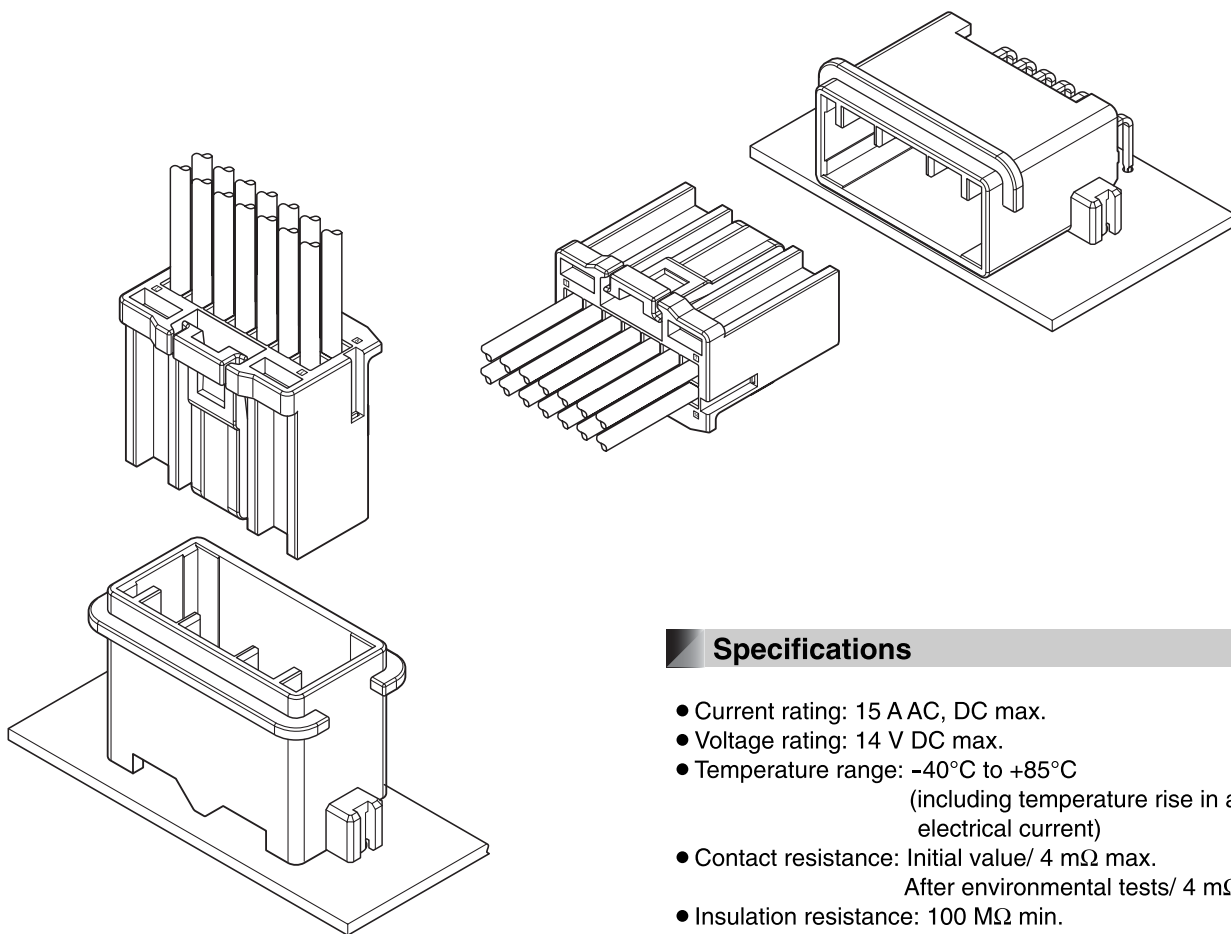
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- Top & Side entry type (Non-Water proof)
- Terminal Position Assurance (TPA) Design

3.2 mm pitch, 14 circuits, 1.5 mm size unsealed connector for automobile applications.

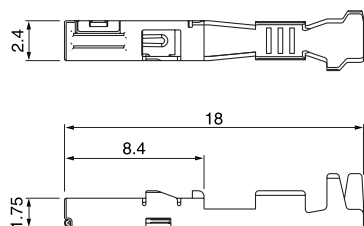


Specifications

- Current rating: 15 A AC, DC max.
- Voltage rating: 14 V DC max.
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 4 mΩ max.
After environmental tests/ 4 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS
0.3 mm² to 2.0 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



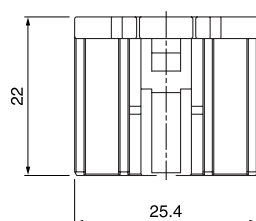
Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
S	SNAC-A021T-M1.5	0.3 to 0.5	1.4 to 1.7	5,000
M	SNAC-A041T-M1.5	0.75 to 1.25	1.8 to 2.2	4,000
L	SNAC-A071T-M1.5	1.5 to 2.0	2.6 to 2.7	3,000

Material and Finish

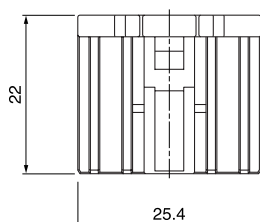
Copper alloy, tin-plated (reflow-treatment)

Female connector

• BCCRB-14-1A-K



• BCCRB-14-2A-S



Circuits	Model No.	Coding	Q'ty/box	Housing color
14	BCCRB-14-1A-K	A	1,008	Black
	BCCRB-14-2A-S	B	1,008	Natural (White)

Material and Finish

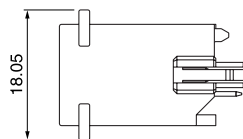
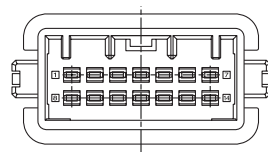
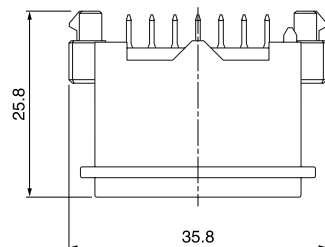
Housing: Glass-filled PBT

TPA: Glass-filled PBT, natural (white)

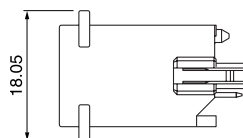
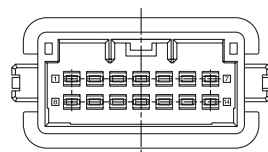
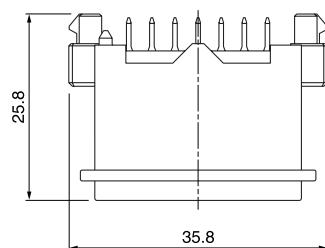
Male connector

Top entry type

● B14B-BCCK-1AR

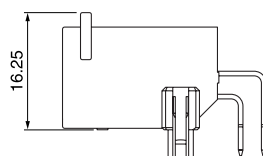
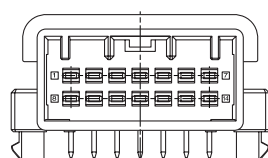
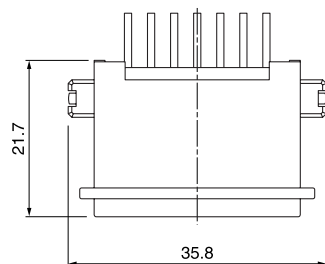


● B14B-BCCS-2AR



Side entry type

● S14B-BCCK-1AR



Type	Circuits	Model No.	Coding	Q ty/box	Housing Color
Top type	14	B14B-BCCK-1AR	A	660	Black
		B14B-BCCS-2AR	B	660	Natural (White)
Side type	14	S14B-BCCK-1AR	A	540	Black

Material and Finish

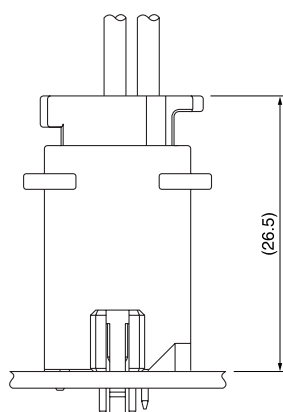
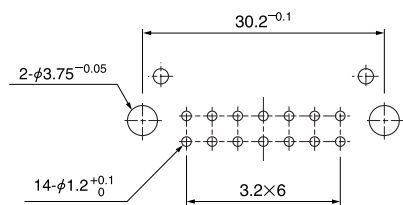
Housing: Glass-filled PBT

Pin: Brass, nickel-undercoated, tin-plated

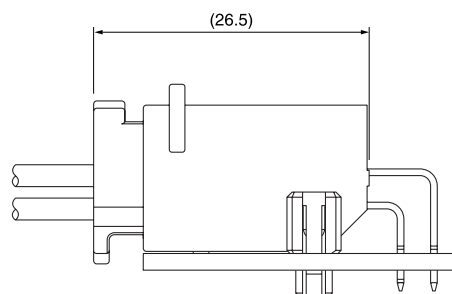
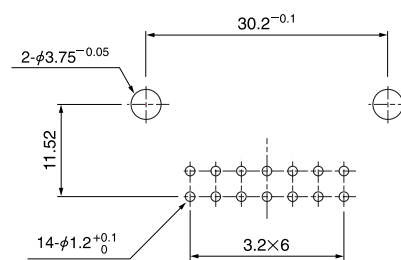
Note: This product displays (LF)(SN) on a label.

PC board layout, Assembly layout

Top entry type



Side entry type

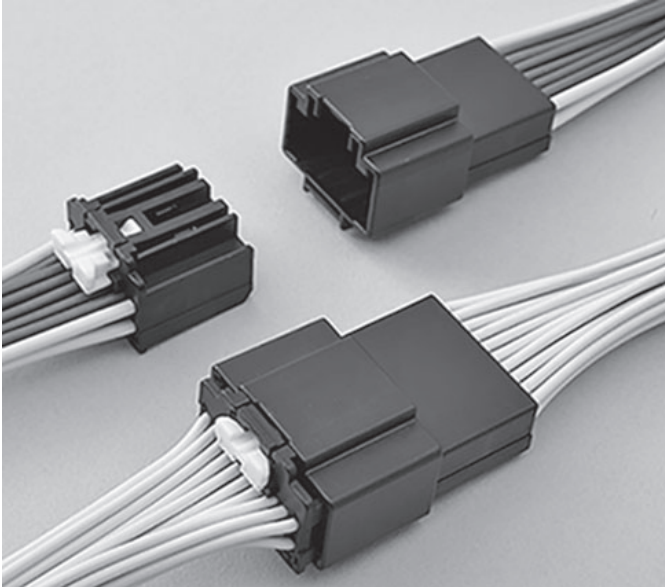


Note: The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNAC-A021T-M1.5	AP-K2N	MK/SNAC-A021-15	APLMK SNAC-A021-15
SNAC-A041T-M1.5		MK/SNAC-A041-15	APLMK SNAC-A041-15
SNAC-A071T-M1.5		MK/SNAC-A071-15	APLMK SNAC-A071-15

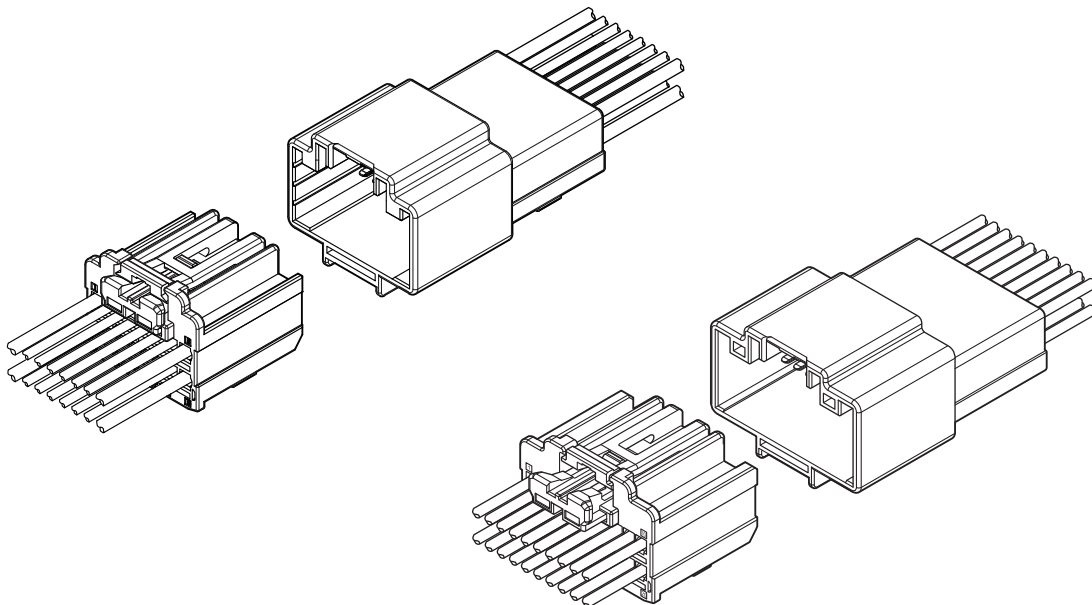
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



1.2 mm unsealed wire-to-wire connector system for automotive applications.

Features

- 16 and 20 circuits, Wire-to-Wire Connection
- Connector Position Assurance (CPA) Design
- Unsealed Inline Connector
- 1.2 mm Terminal Compliant with USCAR Standards



Specifications

- Current rating: 14 A AC, DC max. (0.75 mm², Single circuit)
19 A AC, DC max. (1.5 mm², Single circuit)
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +105°C (Sn plating)
-40°C to +125°C (Ag plating)
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 8 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire:

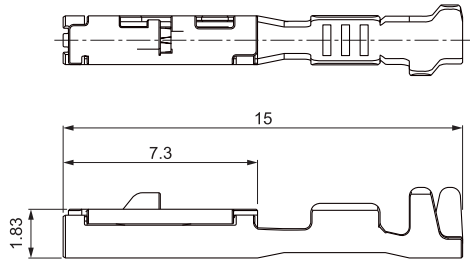
FLRY-A	0.35 to 1.5 mm ²
FLRY-B	0.75 mm ²
FLR2X-A	0.35 to 1.5 mm ²

* Compliant with ELV/RoHS2.

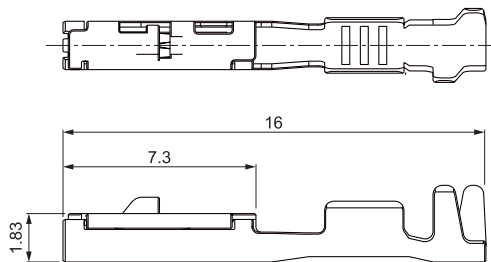
* Contact JST for details.

Female terminal

SSS/SS barrel



S/M barrel



Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	①SMSA-A001T-M1.2	0.13	0.95 to 1.05	9,000
SS	①SMSA-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	①SMSA-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
M	①SMSA-A041T-M1.2	1.0 to 1.5	2.1 to 2.4	6,000
SSS	②SMSA-A001A-M1.2	0.13	0.95 to 1.05	9,000
SS	②SMSA-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	②SMSA-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
M	②SMSA-A041A-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

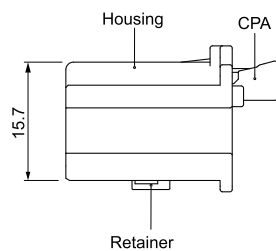
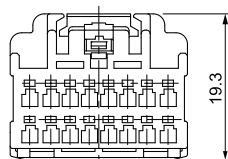
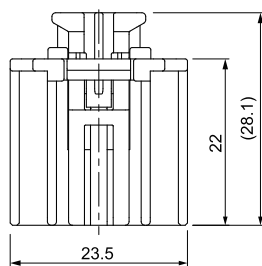
Material and Finish

①Copper alloy, tin-plated (reflow treatment)

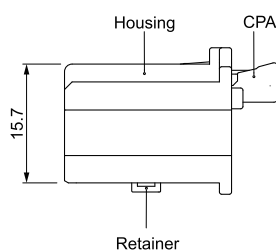
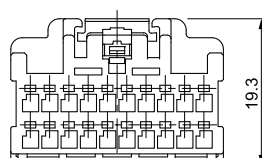
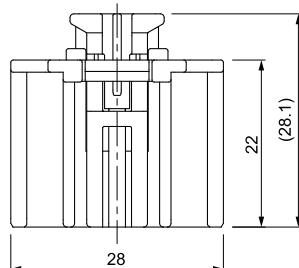
②Copper alloy, nickel-undercoated, Contact area: silver-plated
Barrel area: tin-plated

Female connector

●16 circuits



●20 circuits



Circuits	Model No.	Housing Color	Q'ty/box
16	16MSA-RBC-1A-A-K	Black	441
	16MSA-RBC-1A-B-H	Gray	441
20	20MSA-RBC-1A-A-K	Black	378

Material and Finish

Housing: PBT

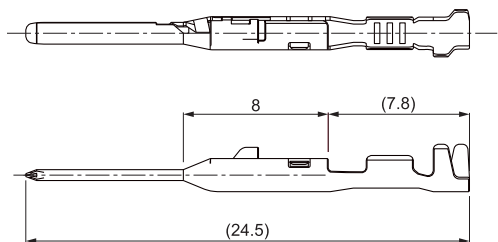
Retainer: Glass-filled PBT, Natural (White)

CPA: Glass-filled PBT, Natural (White)

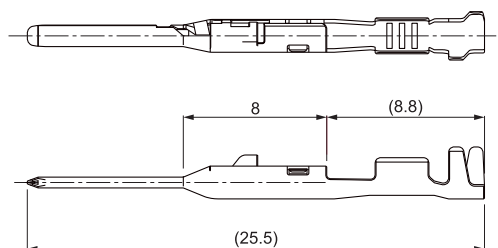
Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

Male terminal

SSS/SS barrel



S/M barrel



Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	①SMSAW-A001T-M1.2	0.13	0.95 to 1.05	10,000
SS	①SMSAW-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	①SMSAW-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	9,000
M	①SMSAW-A041T-M1.2	1.0 to 1.5	2.1 to 2.4	6,500
SSS	②SMSAW-A001A-M1.2	0.13	0.95 to 1.05	10,000
SS	②SMSAW-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	②SMSAW-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	9,000
M	②SMSAW-A041A-M1.2	1.0 to 1.5	2.1 to 2.4	6,500

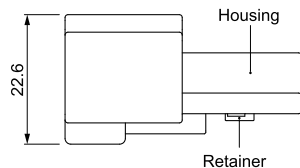
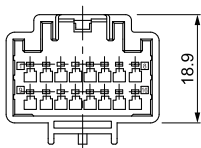
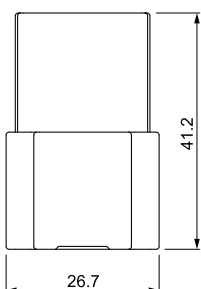
Material and Finish

①Copper alloy, tin-plated (reflow treatment)

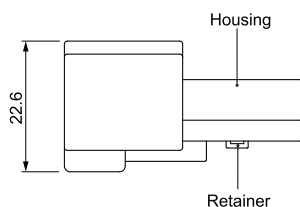
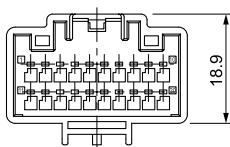
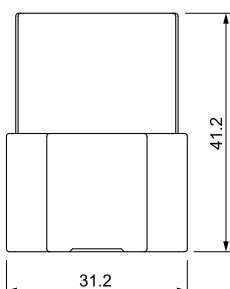
②Copper alloy, nickel-undercoated, Contact area: silver-plated
Barrel area: tin-plated

Male connector

●16 circuits



●20 circuits



Circuits	Model No.	Housing Color	Q'ty/box
16	16MSA-PB-1A-A-K	Black	252
	16MSA-PB-1A-B-H	Gray	252
20	20MSA-PB-1A-A-K	Black	216

Material and Finish

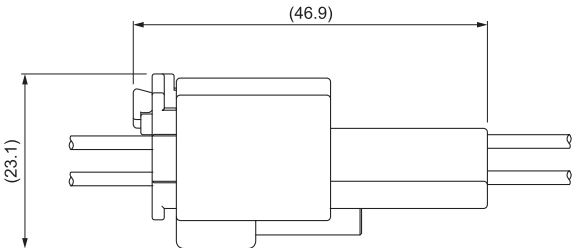
Housing: PBT

Retainer: Glass-filled PBT, Natural (White)

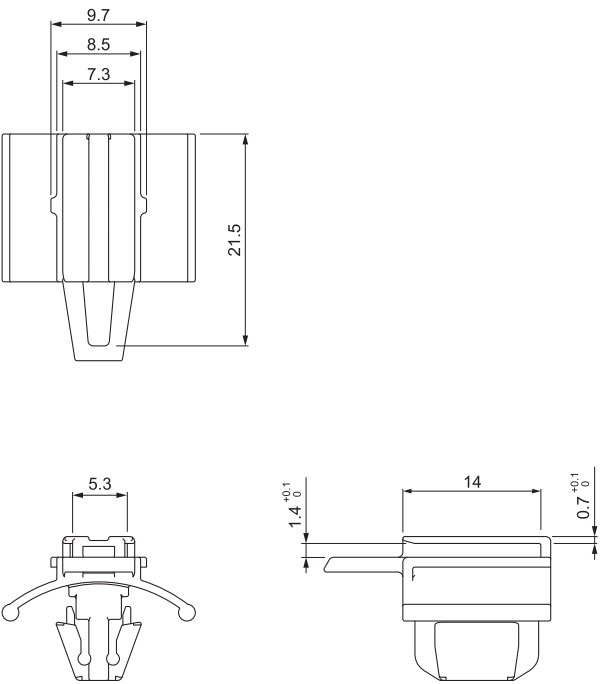
Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

Assembly layout

●16, 20 circuits



Clip layout



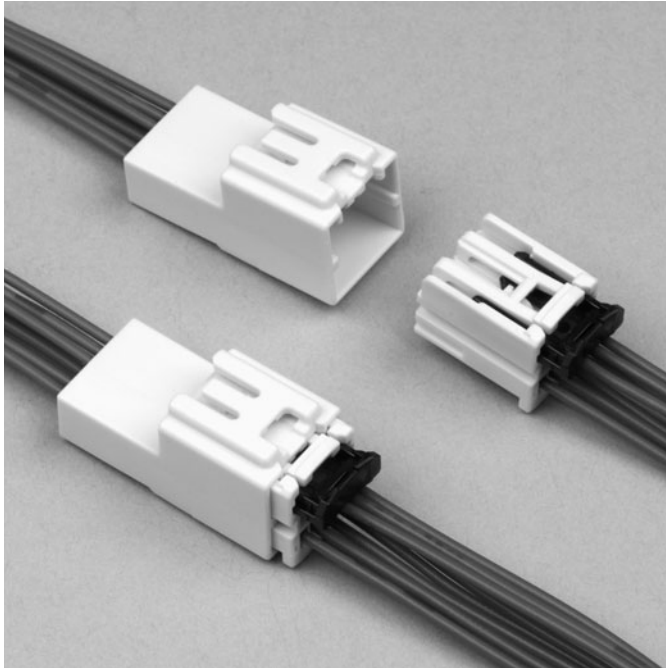
Recommended clip layout

Note: Contact JST for details.

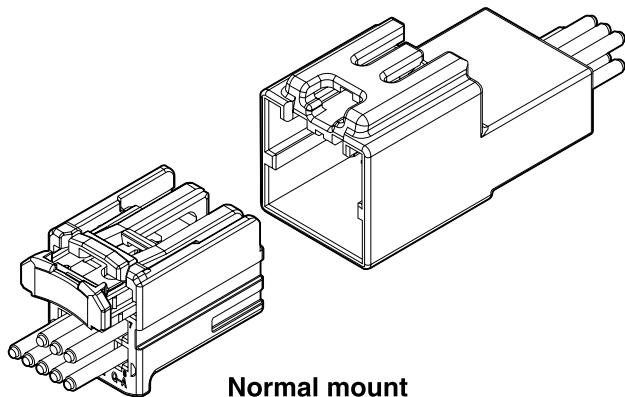
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMSA-A001()-M1.2	AP-K2N	MK/SMSA-A001-12	APLMK SMSA-A001-12
SMSA-A011()-M1.2		MK/SMSA-A011-12	APLMK SMSA-A011-12
SMSA-A031()-M1.2		MK/SMSA-A031-12	APLMK SMSA-A031-12
SMSA-A041()-M1.2		MK/SMSA-A041-12	APLMK SMSA-A041-12
SMSAW-A001()-M1.2		MK/SMSAW-A001-12	APLMK SMSAW-A001-12
SMSAW-A011()-M1.2		MK/SMSAW-A011-12	APLMK SMSAW-A011-12
SMSAW-A031()-M1.2		MK/SMSAW-A031-12	APLMK SMSAW-A031-12
SMSAW-A041()-M1.2		MK/SMSAW-A041-12	APLMK SMSAW-A041-12

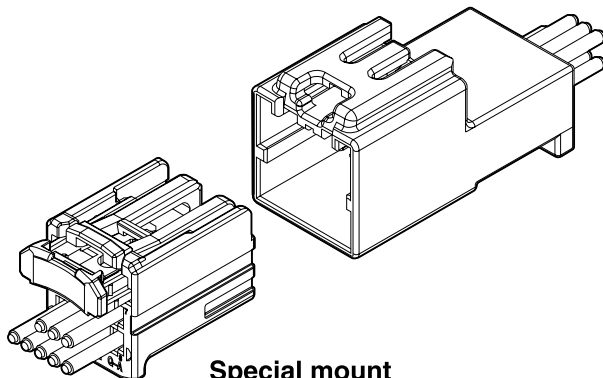
Note: 1. Contact JST for details.
2. When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This wire-to-wire connector for air-bag has CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.



Normal mount



Special mount

Features

● **4 types are available, it enables to select with various specifications to automobile.**

Normal mount, with short terminal
Normal mount, without short terminal
Special mount, with short terminal
Special mount, without short terminal

● **Incomplete mating detection mechanism**

Mis-insertion and insertion error at the assembly line can detect with a CPA housing.

● **Terminal construction**

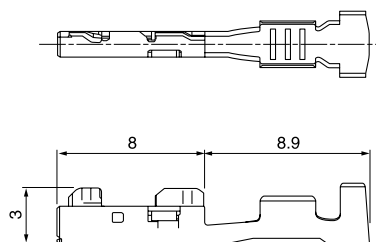
It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

Specifications

- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 14V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - Female terminal; Initial value/8mΩ max.
After environmental testing/16mΩ max.
 - Short terminal; Initial value/50mΩ max.
After environmental testing/100mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS
0.3mm² to 0.5mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

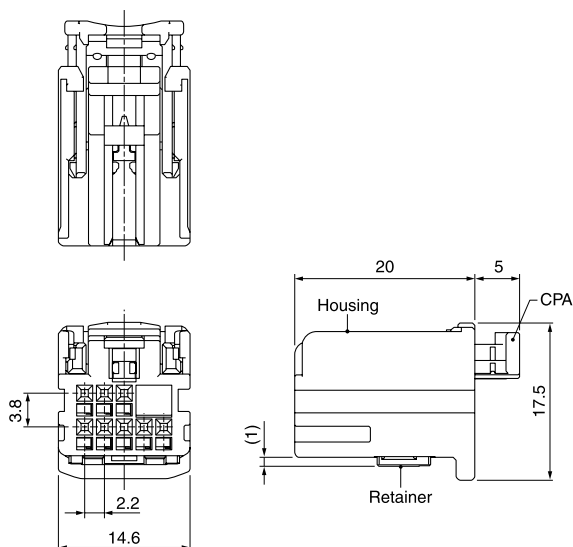


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SNAC3-A021GF-M0.64-1	0.3 to 0.5	1.4 to 1.8	5,000

Material and Finish

Copper alloy, nickel-undercoated, Male contact area; gold-plated

Female connector

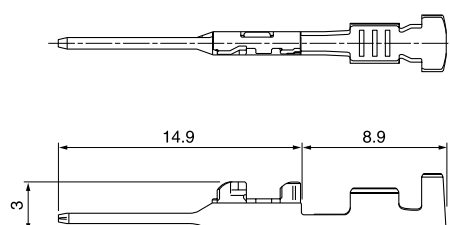


Circuits	Model No.	Q'ty/box
8	08HIC-R-1A	720

Material

Housing: PBT, yellow
Retainer: PBT, black
CPA housing: PBT, black

Male terminal



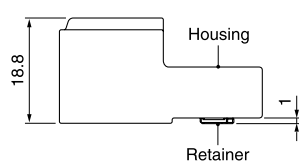
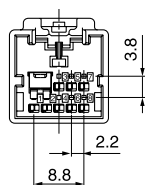
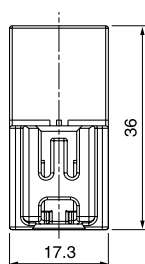
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SNAC3W-A021GF-0.64	0.3 to 0.5	1.4 to 1.8	7,000

Material and Finish

Brass, nickel-undercoated, Female contact area; gold-plated,
Short terminal contact area; gold-plated

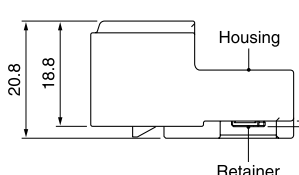
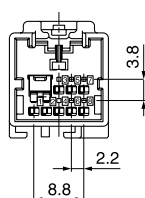
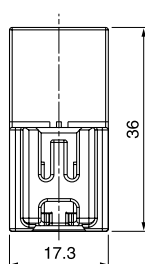
Male connector

• Normal mount



Model No.	
08HIC-P-1A	08HIC-P-1B
With short terminal	Without short terminal

• Special mount



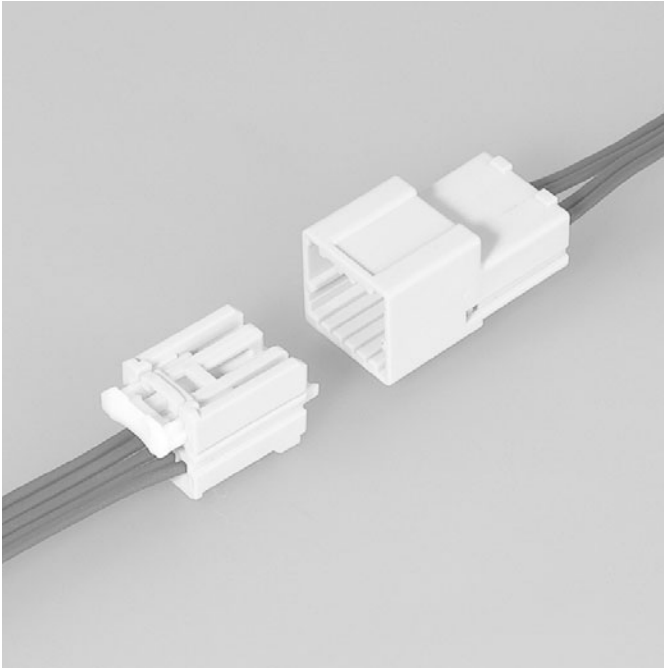
Model No.	
08HIC-P-2A	08HIC-P-2B
With short terminal	Without short terminal

Circuits	Model No.	Q'ty/box
8	08HIC-P-1A	560
	08HIC-P-1B	
	08HIC-P-2A	
	08HIC-P-2B	
Material and Finish		
Housing: PBT, yellow		
Retainer: PBT, black		
Short terminal: Copper alloy, nickel-undercoated,		
Contact area; gold-plated		

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNAC3-A021GF-M0.64-1	AP-K2N	MK/SNAC3-A021-064	APLMK SNAC3-A021-064
SNAC3W-A021GF-0.64		MK/SNAC3W-A021-064	APLMK SNAC3W-A021-064

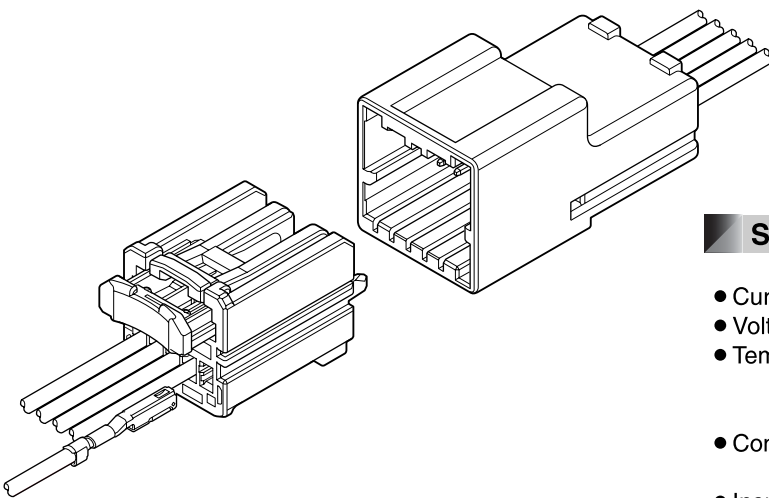
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- 2 Circuits and 5 Circuits, Wire-to-Wire Connection
- Connector Position Assurance (CPA) Mechanism
- Utilize Shorting Bar to protect against accidental electrical discharge
- Pre-set CPA, Pre-Set TPA
- One-action insertion by pushing CPA for complete connection

0.64 unsealed wire-to-wire connector with CPA and shorting bar mechanisms for Air-bag application. Providing Connector Position Assurance, positive mating and completion of circuit in one pressing motion.

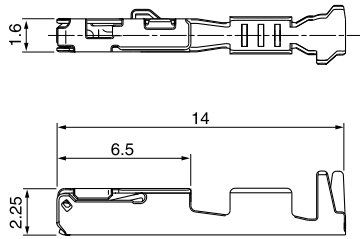


Specifications

- Current rating: 5A DC max.
- Voltage rating: 14V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/15mΩ max.
After environmental testing/15mΩ max.
- Insulation resistance: 100MΩ min.
- Applicable Wire: SAE/ AVSS / CAVS
0.3mm² to 0.8mm²

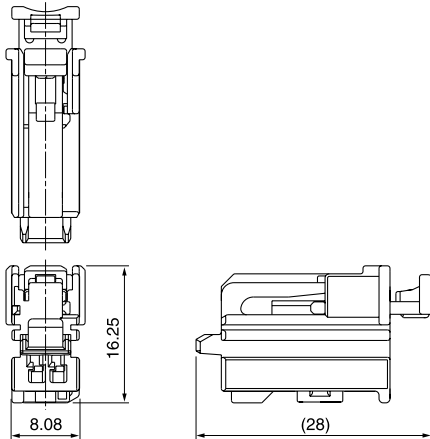
* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

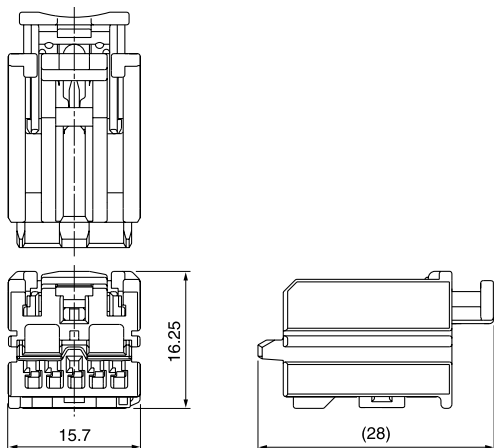


Female connector

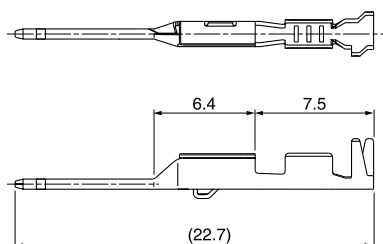
• 2 circuits



• 5 circuits



Male terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.8	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Circuits	Model No.	Q'ty/box	Color of Retainer and CPA
2	SNAPB-02UN-1FYS	400	Natural (White)
	SNAPB-02UN-1AYK	400	Black
5	SNAPB-05UN-1FYS	200	Natural (White)

Material

Housing: Glass-filled PBT, yellow
Retainer: Glass-filled PBT
CPA: Glass-filled PBT

Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITW-A03TGG-064	0.3 to 0.5	≤1.9	7,000
①SAITW-A02TGG-064	0.75 to 0.8	≤1.9	7,000
②SAITW-A03GF-064	0.3 to 0.5	≤1.9	7,000
②SAITW-A02GF-064	0.75 to 0.8	≤1.9	7,000

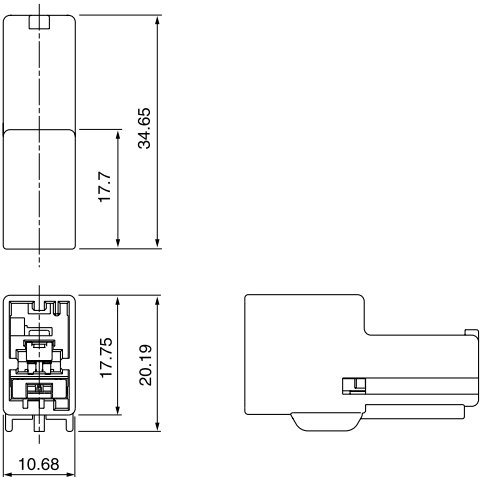
Material and Finish

- ①Brass, nickel-undercoated, Contact area, Barrel area; tin-plated
Contact to Shorting bar area; gold-plated
- ②Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

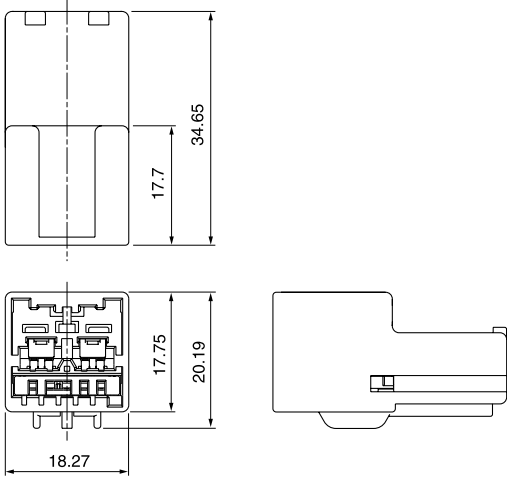
SNA CONNECTOR

Male connector

● 2 circuits



● 5 circuits

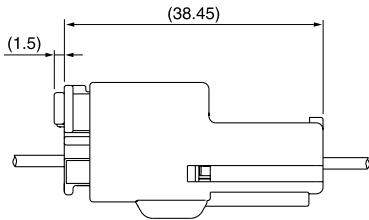


Circuits	Model No.	Q'ty/box	Color of Retainer
2	SNAMB-02UN-1FYS	200	Natural (White)
	SNAMB-02UN-1AYK	200	Black
5	SNAMB-05UN-1FYS	100	Natural (White)

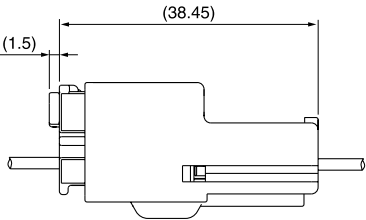
Material and Finish	
Housing: Glass-filled PBT, yellow	
Retainer: Glass-filled PBT	
Shorting bar: Copper alloy, nickel-undercoated, Contact area; gold-plated	

Assembly layout

● 2 circuits



● 5 circuits

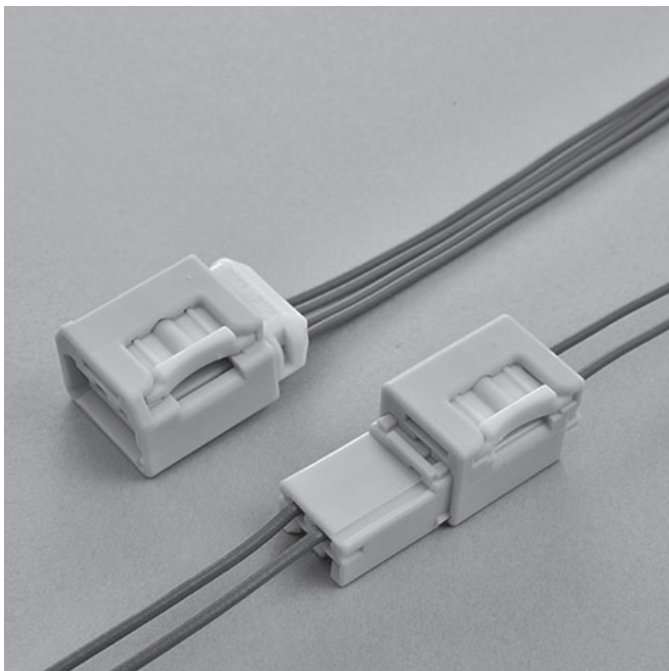


Note: The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064
SAITW-A03()-064		MK/SAITW-A03-064	APLMK SAITW-A03-064
SAITW-A02()-064		MK/SAITW-A02-064	APLMK SAITW-A02-064

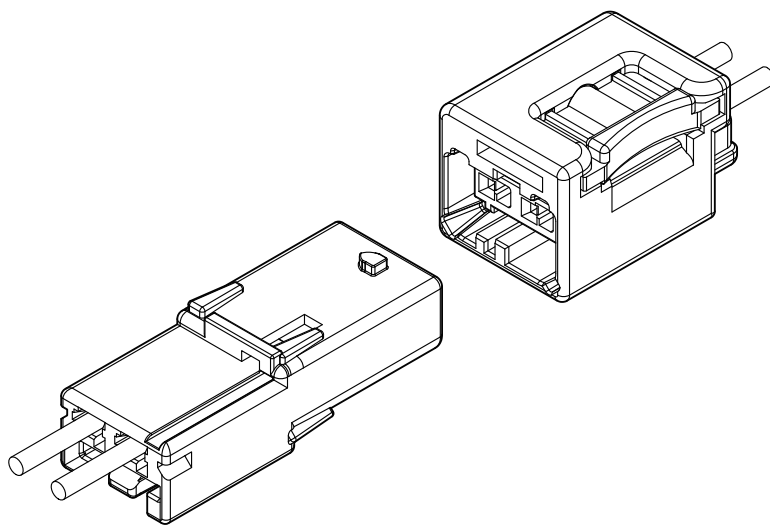
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- **Go / No-Go Mating System**
Compression spring prevents half-mating.
- **Anti Vibration Mechanism**
High reliability rigid connector enables to keep higher durability at shock and vibration environment.
- **Compact size**

0.64 mm wire-to-wire connector with rigid design and spring lock mechanism.
Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.

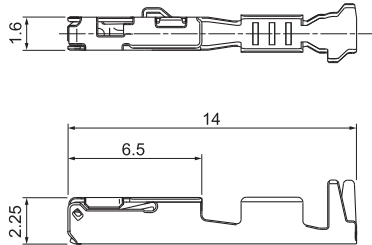


Specifications

- Current rating: 3 A AC, DC max. (0.3 mm²)
5 A AC, DC max. (0.5 mm²)
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +80°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS
0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS2.
* Contact JST for details.

Female terminal

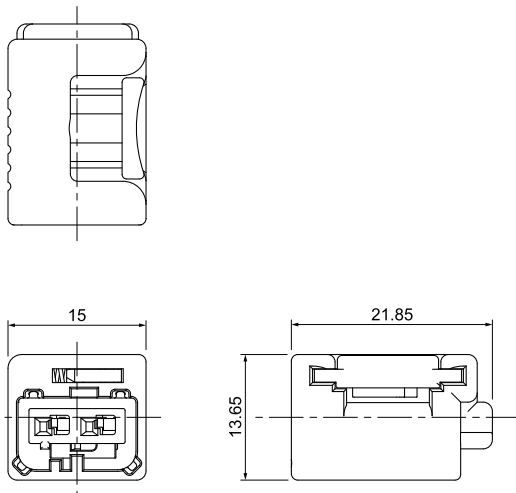


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector



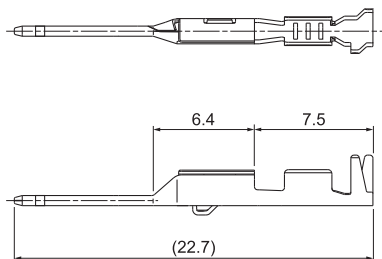
Circuits	Model No.	Q'ty/box
2	BABRB-02-1A-Y()	300

Material and Finish

- Housing: PA, Yellow
- Retainer: Glass-filled PBT, Natural
- Slider: Glass-filled PBT, Natural
- Spring: SUS

Note: Key codes other than above-mentioned housing are also available.
Contact JST for details.

Male terminal



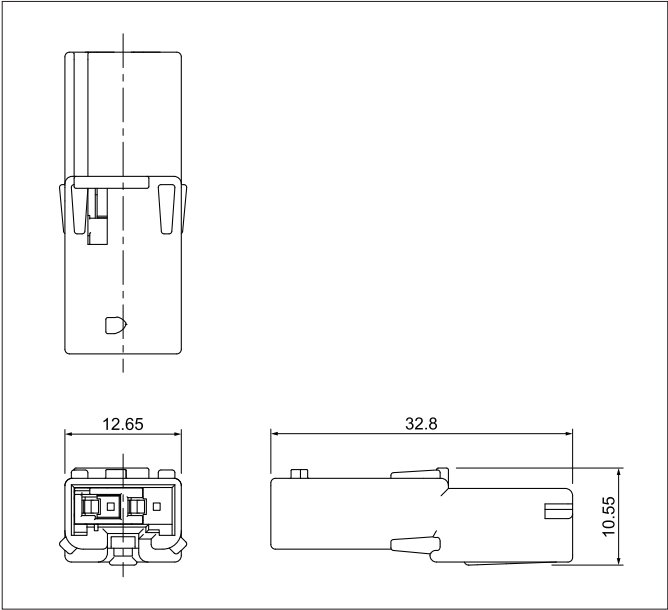
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITW-A03T-064	0.3 to 0.5	≤1.9	9,000
②SAITW-A03GF-064	0.3 to 0.5	≤1.9	9,000

Material and Finish

- ①Brass, tin-plated (reflow treatment)
- ②Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

BAB CONNECTOR

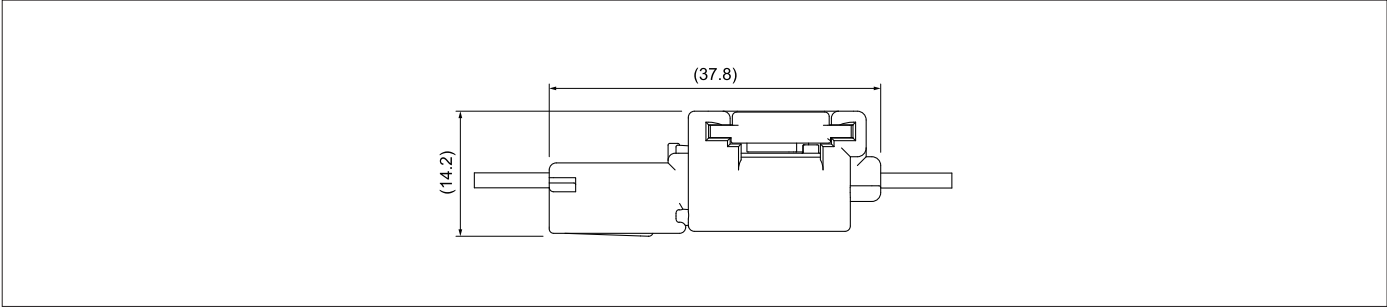
Male connector



Circuits	Model No.	Q'ty/box
2	BABPB-02-1A-Y()	300
Material and Finish		
Housing: PA, Yellow		
Retainer: PBT, Natural		

Note: Key codes other than above-mentioned housing are also available.
Contact JST for details.

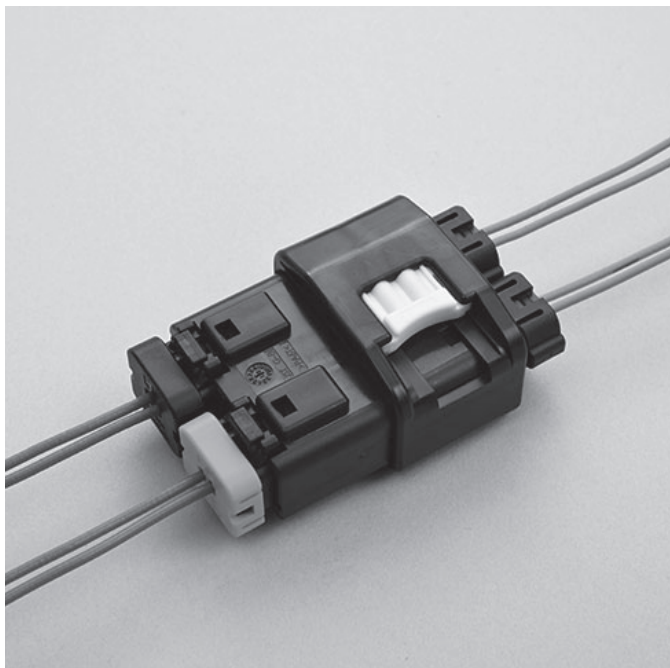
Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAITW-A03()-064		MK/SAITW-A03-064	APLMK SAITW-A03-064

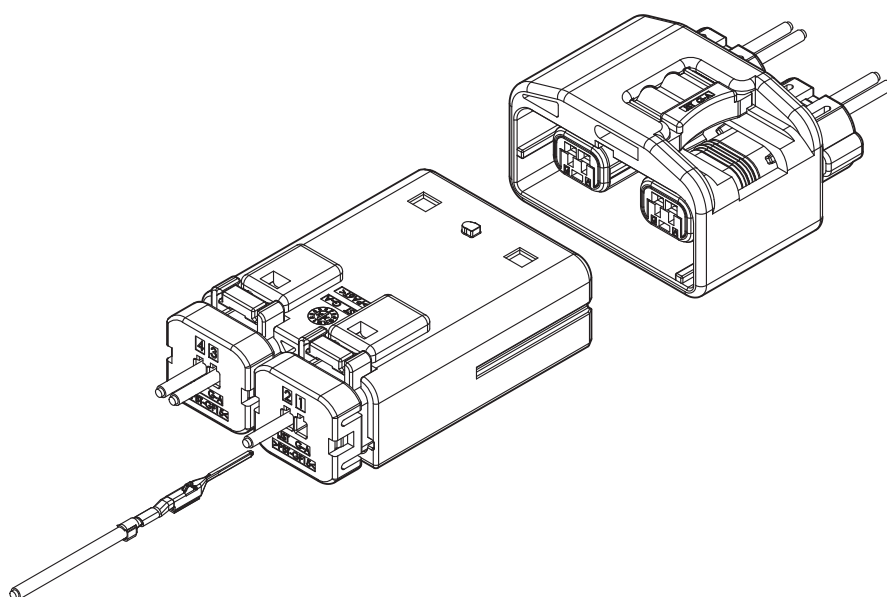
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- **0.64 mm Mat Sealed Connector**
- **Anti Vibration Mechanism**
High reliability rigid connector enables to keep higher durability at shock and vibration environment.
- **Go / No-Go Mating System**
Compression spring prevents half-mating.

0.64 mm mat sealed wire to wire connector with rigid design and spring lock mechanism.
Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.

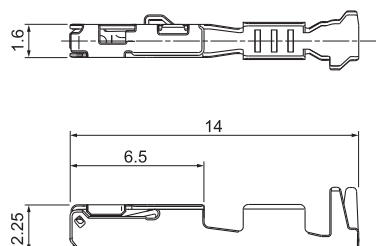


Specifications

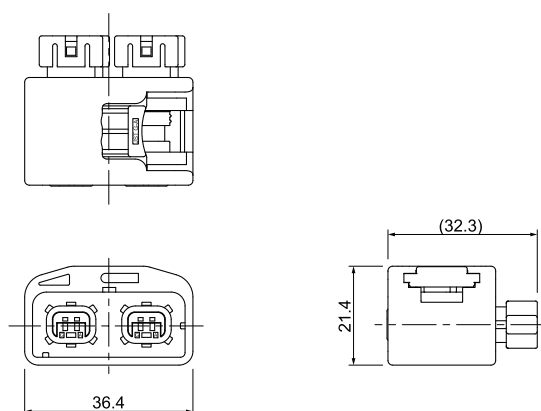
- Current rating: 5 A AC, DC max.
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +120°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS/AESSXF
0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

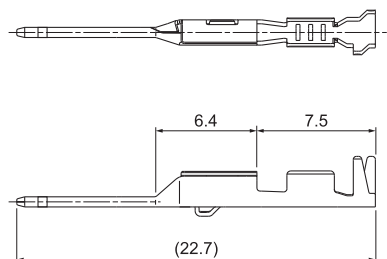
Female terminal



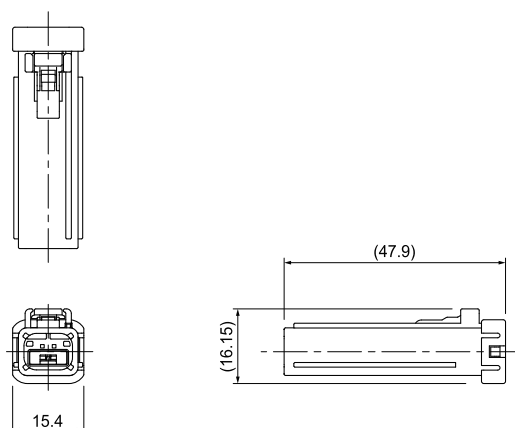
Female connector



Male terminal



Male connector



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Circuits	Model No.	Housing Color	Q'ty/box
4	SISCRB-04-1A-K	Black	640
	SISCRB-04-2A-Y	Yellow	640

Material and Finish

Female housing: PA
 Retainer: Glass-filled PBT, Natural
 Inner seal: Silicone, Blue
 Wire seal: Silicone, Blue
 Wire seal cover: Glass-filled PBT, Black
 Slider: Glass-filled PBT, Natural
 Spring: SUS

Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITW-A03T-064	0.3 to 0.5	≤1.9	9,000
②SAITW-A03GF-064	0.3 to 0.5	≤1.9	9,000

Material and Finish

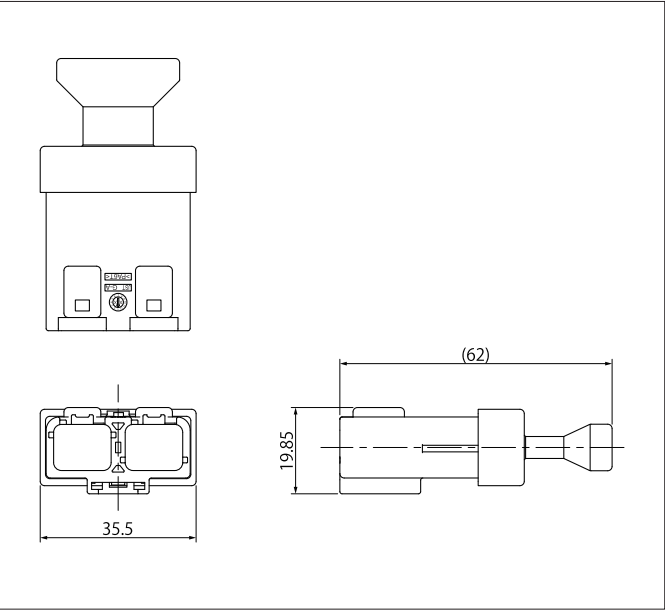
- ①Brass, tin-plated (reflow treatment)
- ②Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Circuits	Model No.	Wire Seal cover Color	Q'ty/box
2	SISCPB-02-1A-K	Yellow	1,000
	SISCPB-02-2A-K	Black	1,000
	SISCPB-02-3A-K	Natural	1,000
	SISCPB-02-4A-K	Green	1,000

Material and Finish

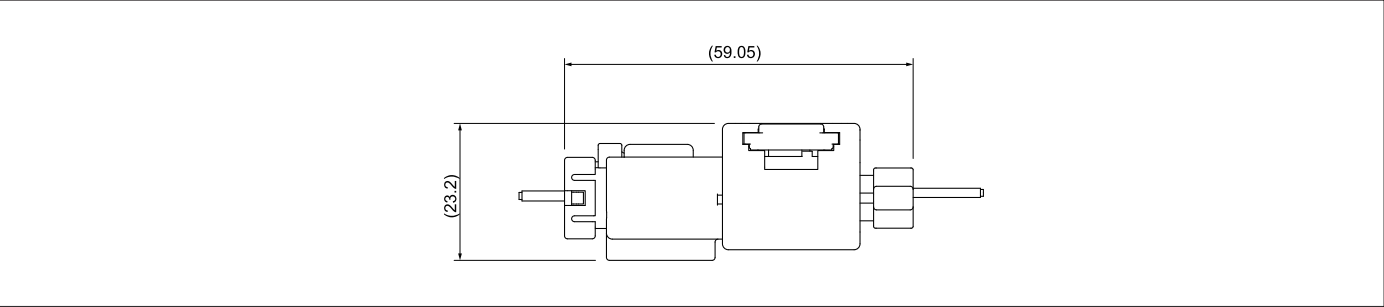
Male housing: Glass-filled PBT, Black
 Retainer: Glass-filled PBT, Natural
 Wire seal: Silicone, Red brown
 Wire seal cover: Glass-filled PBT

Male connector holder assembly



Circuits	Model No.	Housing Color	Q'ty/box
2	SISCPHB-04-1A-K	Black	320
	SISCPHB-04-2A-Y	Yellow	320
Material and Finish			
Male connector holder: PA			
Dust cover: PP, Natural			

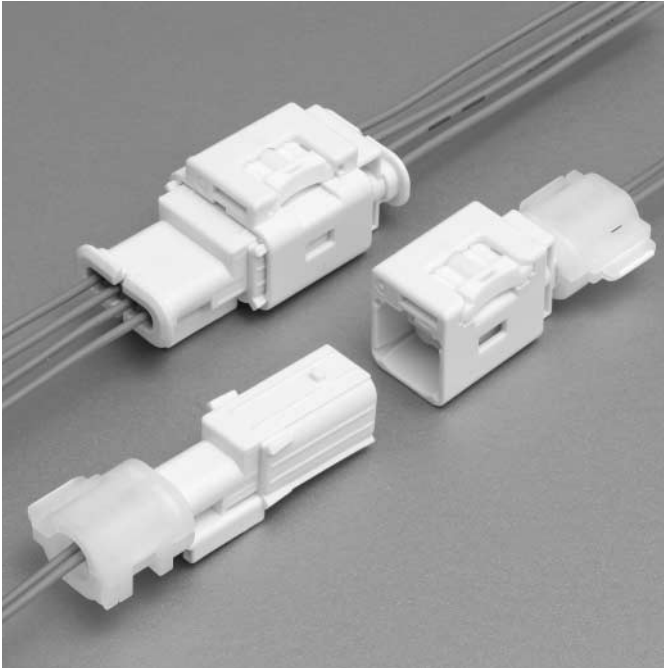
Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAITW-A03()-064		MK/SAITW-A03-064	APLMK SAITW-A03-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



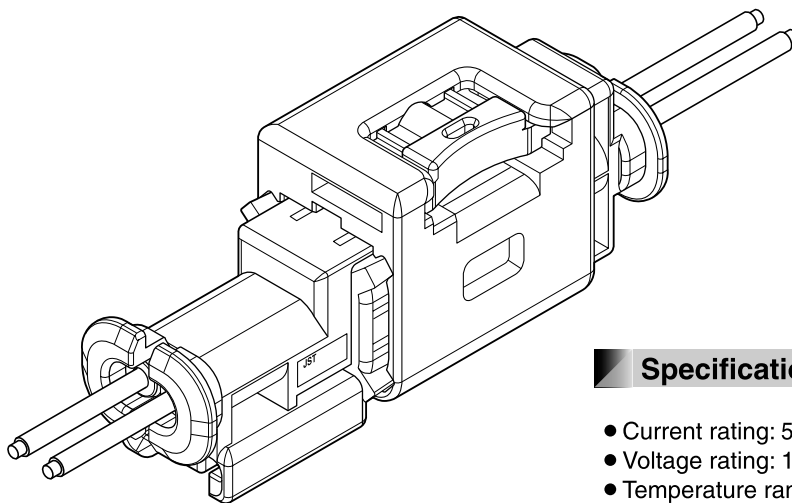
Features

- **0.64 mm Single Sealed Connector**
- **Anti Vibration Mechanism**
High reliability rigid connector enables to keep higher durability at shock and vibrated environment.
- **Fool Proof Systems**
Compression spring prevents half-connecting.

0.64 mm single sealed wire to wire connector with rigid design and spring lock mechanism.

Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.

This connector has short terminal to prevent accidental electrical discharge.

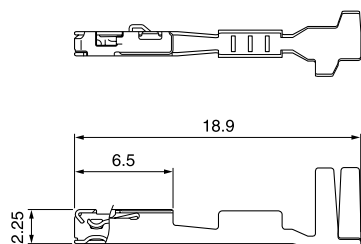


Specifications

- Current rating: 5 A AC, DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +80°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

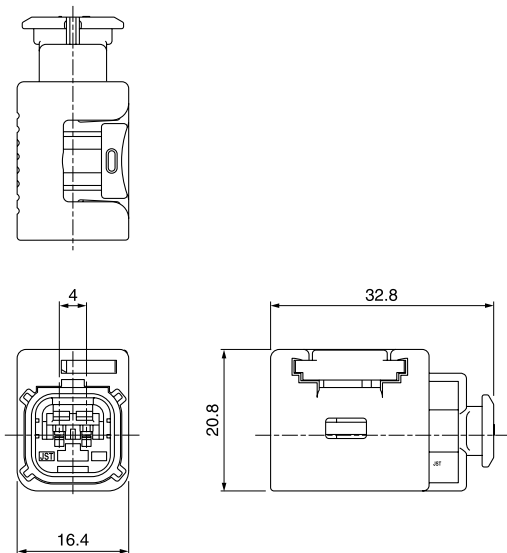
Female terminal



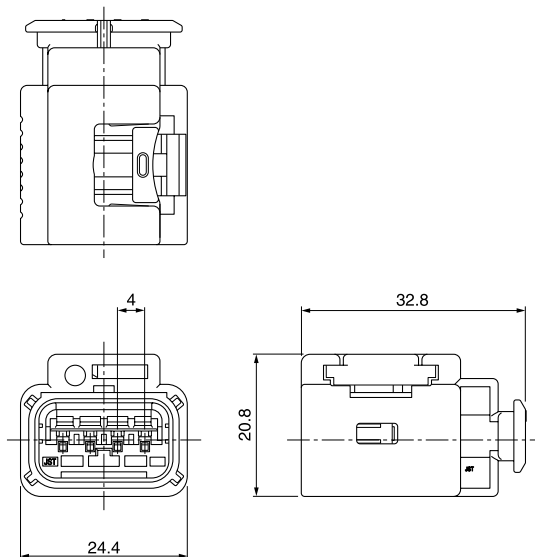
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SAITS-A03GF-M064	0.5	1.6 to 1.7	3,500
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

Female connector

● 2 circuits



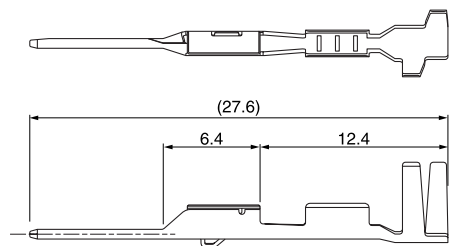
● 4 circuits



Circuits	Model No.	Q'ty/box
2	SABRB-02-1A-Y	125
4	SABRB-04-1A-Y	100
Material and Finish		
Housing: Glass-filled PBT, Yellow Slider: Glass-filled PBT, Natural (White) Retainer: Glass-filled PBT, Natural (White) Spring: SUS Inner seal: Silicone		

SAB CONNECTOR

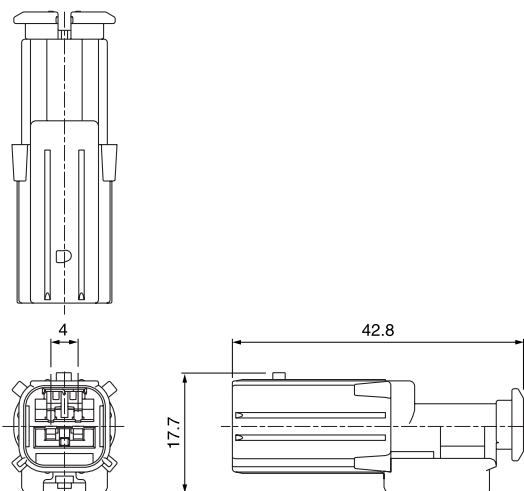
Male terminal



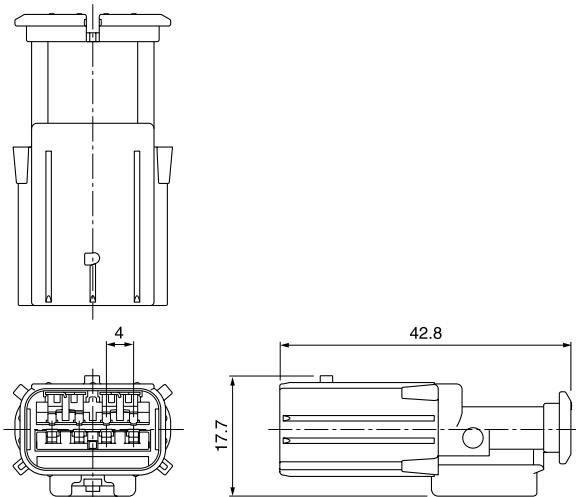
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SAITWS-A03GF-064	0.5	1.6 to 1.7	3,500
Material and Finish			
Brass, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

Male connector

● 2 circuits



● 4 circuits

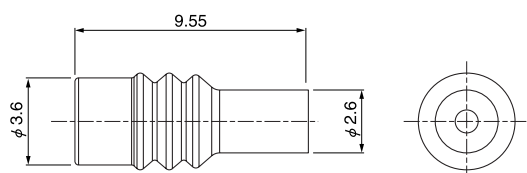


Circuits	Model No.	Q'ty/box
2	SABPB-02-1A-Y	125
4	SABPB-04-1A-Y	100
Material and Finish		

Housing: Glass-filled PBT, Yellow
 Retainer: Glass-filled PBT, Natural (White)
 Short terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated

Wire seal

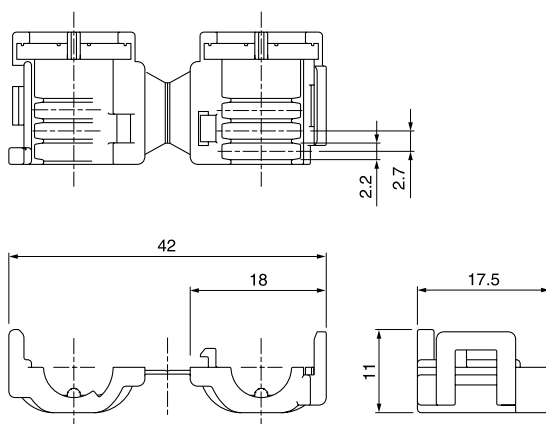
● 2, 4 circuits



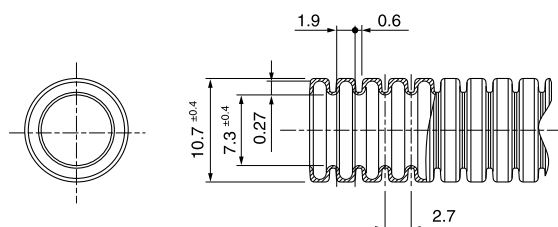
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
A03WS-SAB-N	0.5	1.6 to 1.7	10,000
Material and Finish			
Silicone			

Cover

● 2 circuits



Recommended corrugate tube layout

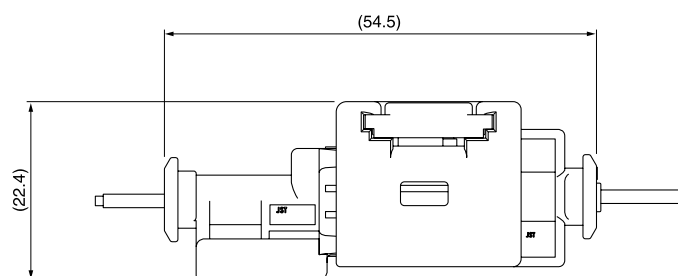


Model No.	Q'ty/box
Note) SABC-02-1A-W	200
Material and Finish	
PP, Natural (White)	

Note: Cover is applicable only for 2 circuits.

Assembly layout

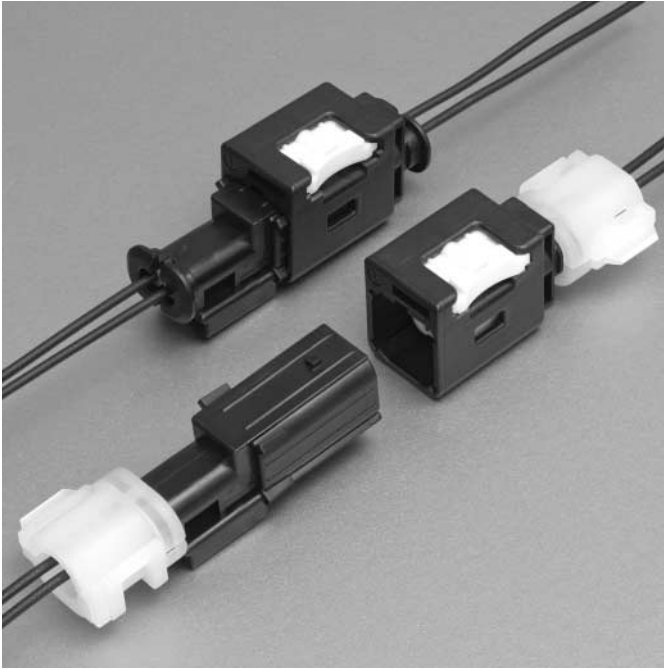
● 2, 4 circuits



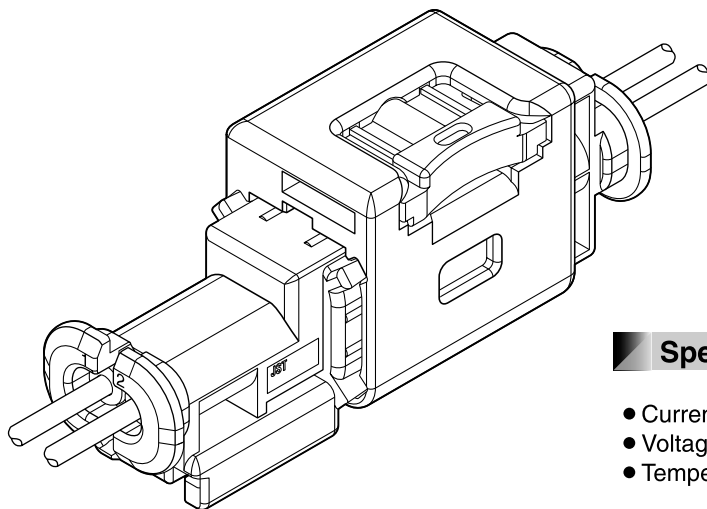
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAITS-A03GF-M064	AP-K2N	MK/SAITS-A03-064	APLMK SAITS-A03-064
SAITWS-A03GF-064		MK/SAITWS-A03-064	APLMK SAITWS-A03-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



0.64 mm single sealed wire-to-wire connector with rigid design and spring lock mechanism. Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.



Features

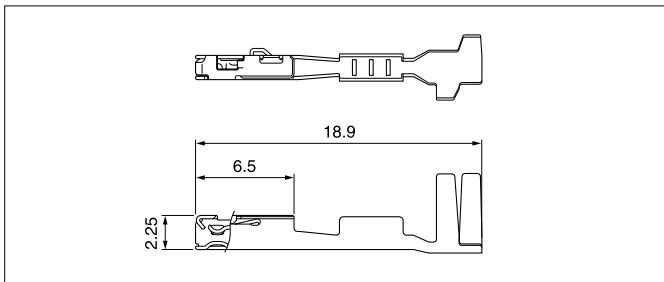
- **0.64 mm Single Sealed Connector**
- **Anti Vibration Mechanism**
High reliability rigid connector enables to keep higher durability at shock and vibrated environment.
- **Fool Proof Systems**
Compression spring prevents half-connecting.

Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +120°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: Initial value/ 250 MΩ min.
After environmental tests/ 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS, AESSX (f)
0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

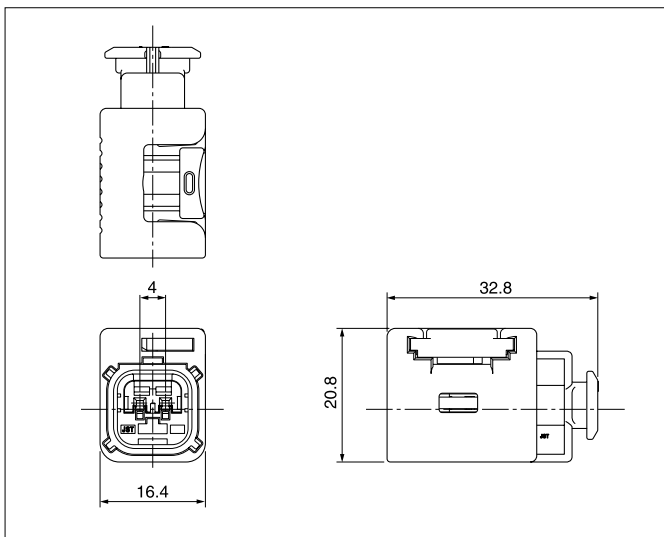


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SAITS-A03GF-M064	0.5	1.6 to 1.7	3,500

Material and Finish

Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector

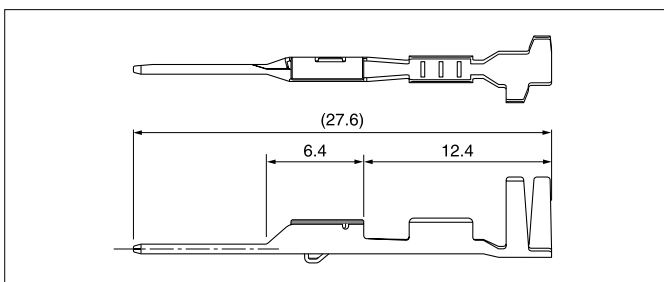


Circuits	Model No.	Q'ty/box
2	FABRB-02-1A-K	125

Material and Finish

Housing: Glass-filled PBT, Black
Slider: Glass-filled PBT, Natural (White)
Retainer: Glass-filled PBT, Natural (White)
Spring: SUS
Inner seal: Silicone

Male terminal

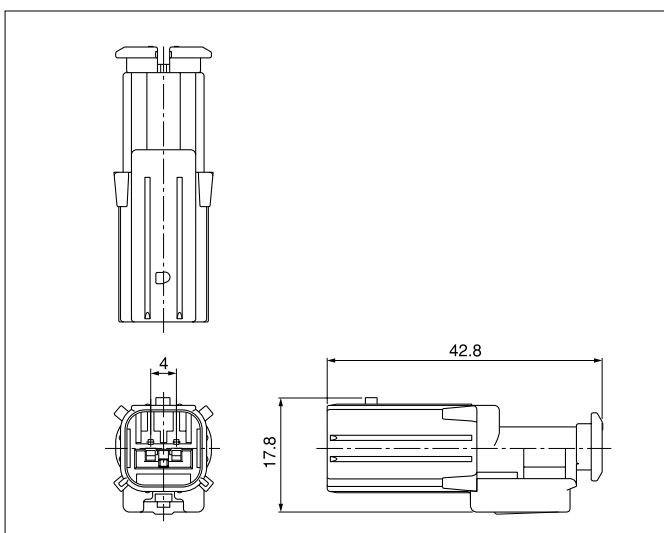


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SAITWS-A03GF-064	0.5	1.6 to 1.7	3,500

Material and Finish

Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Male connector



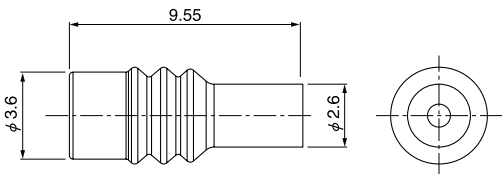
Circuits	Model No.	Q'ty/box
2	FABPB-02-2BA-K	125

Material and Finish

Housing: PA 6T, Black
Retainer: Glass-filled PBT, Natural (White)

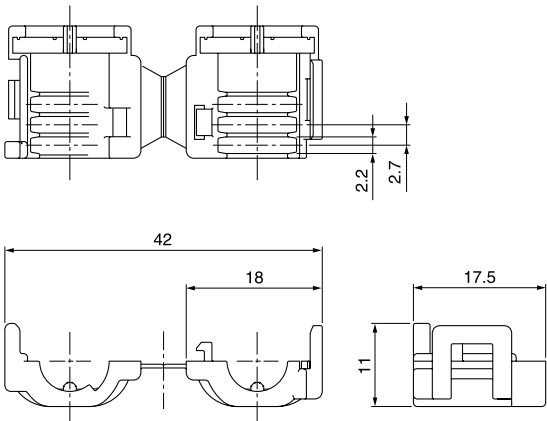
FAB CONNECTOR

Wire seal



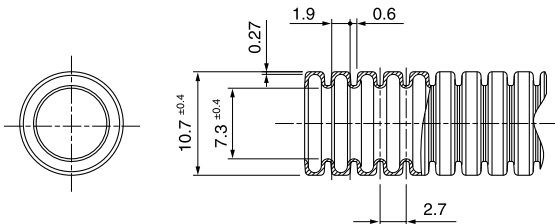
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm²)	Insulation O.D. (mm)	
A03WS-SAB-N	0.5	1.6 to 1.7	10,000
Material and Finish			
Silicone			

Cover

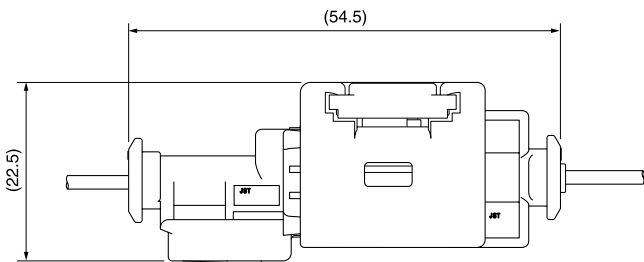


Model No.	Q'ty/box
SABC-02-1A-W	200
Material and Finish	
PP, Natural (White)	

Recommended corrugate tube layout

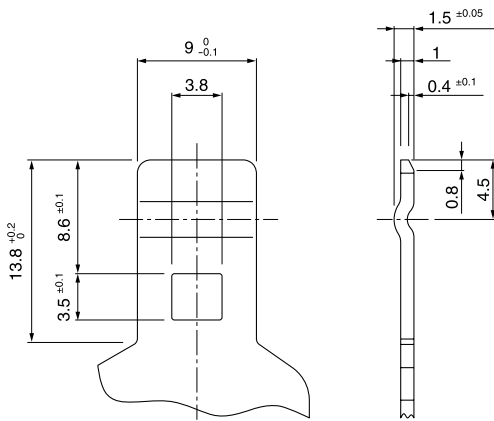


Assembly layout

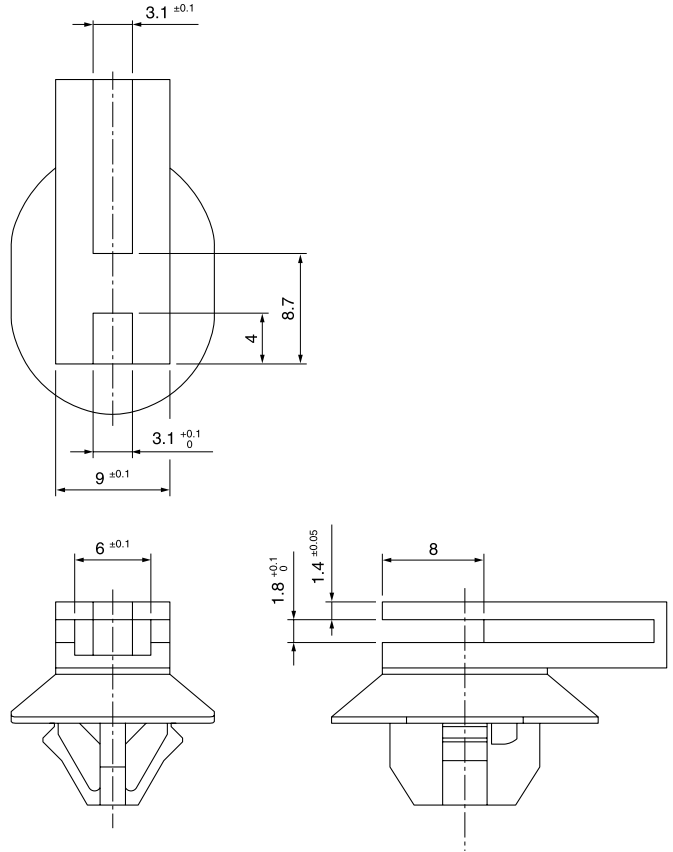


Clip layout

Recommended bracket layout



Recommended clip layout

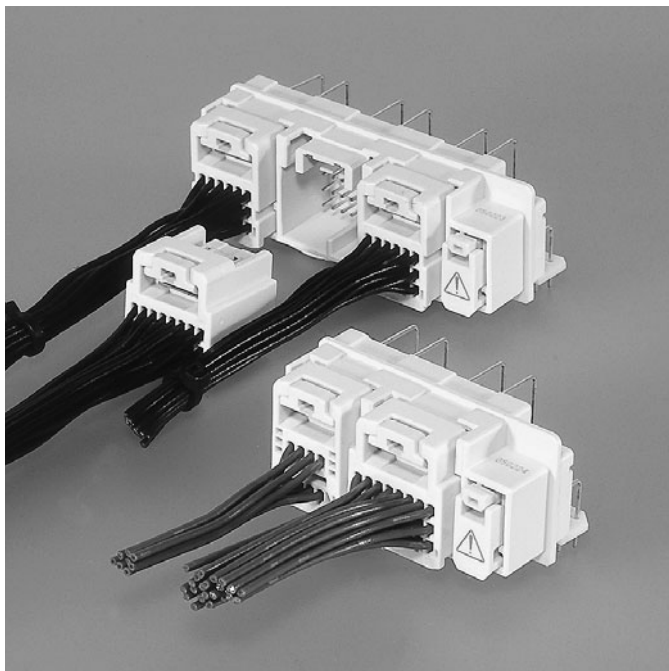


Note: 1. The dimensions above should serve as guideline. Contact JST for details.
2. JST recommends to use clip which is made of PA.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAITS-A03GF-M064	AP-K2N	MK/SAITS-A03-064	APLMK SAITS-A03-064
SAITWS-A03GF-064		MK/SAITWS-A03-064	APLMK SAITWS-A03-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

●Two types circuits

60 circuit and 36 circuit types are available, and the specifications matched to the automobile are selectable.

●Incomplete mating detection mechanism

Mis-insertion and insertion error at the assembly line can detect with a CPA terminal.

●Terminal construction

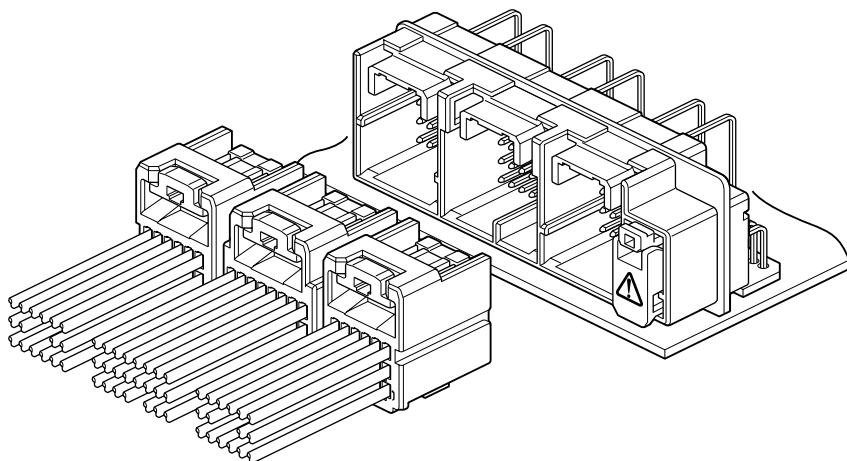
It is designed to prevent the deformation of the contact area when processing wire harness by protecting the contact area of each terminal with a box.

●Press-fit

There are dip type and press-fit type in the male connector.

The miniaturization is realized as air-bag ECU I/O connector for automobile.

This product has various circuit development and several adoption results proven, hence it enables to select the type to meet the automobile.



Specifications

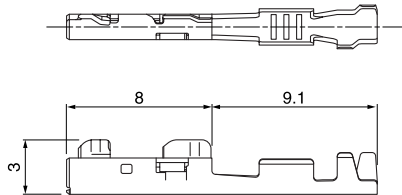
- Current rating: 5 A AC, DC (0.5 mm², Single circuit)
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 100 VDC/minute
- Applicable wire: AVSS/CAVS
0.64 Terminal S; 0.3 mm² to 0.5 mm²
CHFUS
0.64 Terminal SSS/SS; 0.13 mm² to 0.35 mm²

* Compliant with ELV/RoHS.

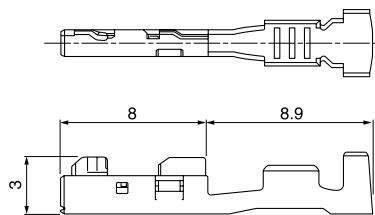
* Contact JST for details.

Female terminal

• 0.64 Female terminal SSS/SS



• 0.64 Female terminal S



Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
*0.64 SSS	① SNAC3-A001T-M0.64	0.13	0.85	6,000
*0.64 SS	① SNAC3-A011T-M0.64	0.22 to 0.35	0.95 to 1.10	5,000
0.64 S	① SNAC3-A021T-M0.64	0.3 to 0.5	1.4 to 1.8	5,000
	② SNAC3-A021GI-M0.64-1			
	③ SNAC3-A021GF-M0.64-1			

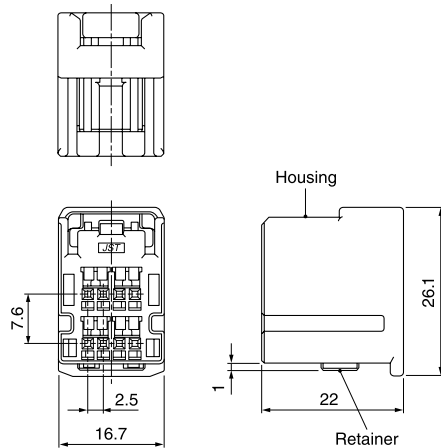
Material and Finish

- ① Copper alloy, tin-plated (reflow treatment)
- ② Copper alloy, nickel-undercoated,
Male contact area; tin-plated (reflow treatment)
Short terminal contact area; gold-plated
- ③ Copper alloy, nickel-undercoated,
Male contact area; gold-plated
Short terminal contact area; gold-plated

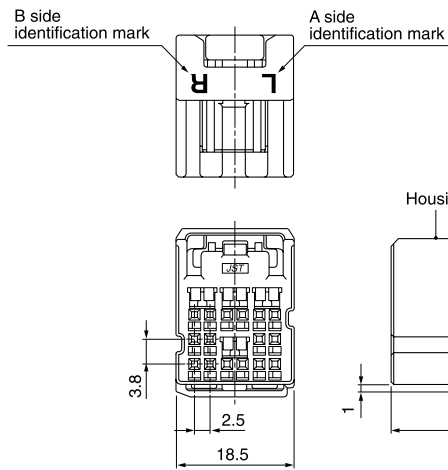
Note: *Please contact JST about the use of these parts.

Female connector

• 8 circuits

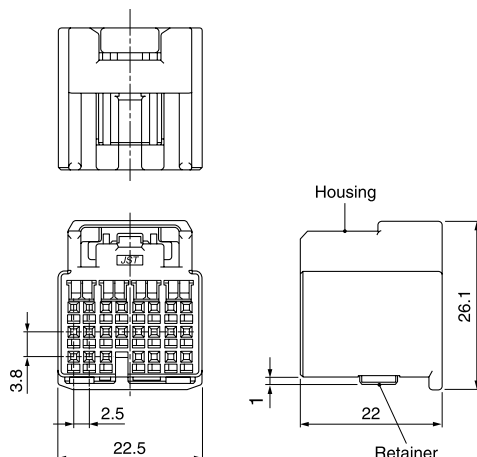


• 16 circuits



Model No.	
16CIT-B-1A	16CIT-B-2A
A figure	B figure

• 23 circuits



Circuits	Model No.	Q'ty/box
8	08CIT-B-1A	84
16	16CIT-B-1A	72
	16CIT-B-2A	72
23	23CIT-B-1A	60

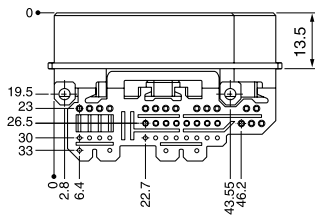
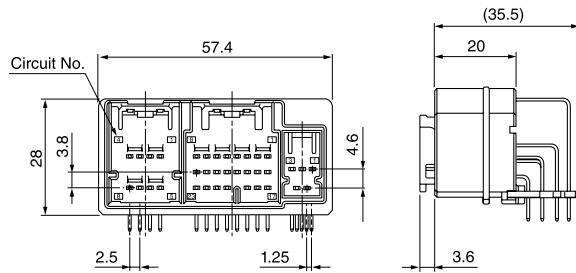
Material and Finish

- Housing: PBT, yellow
- Lock housing: Glass-filled PBT, yellow
- Short terminal: Copper alloy, nickel-undercoated,
Contact area; gold-plated
- CPA terminal: Copper alloy, nickel-undercoated,
Contact area; gold-plated
- Retainer: PBT, natural (white)

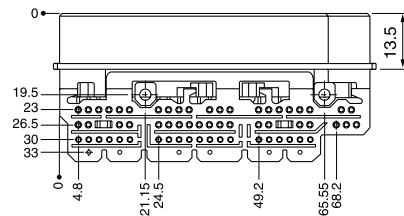
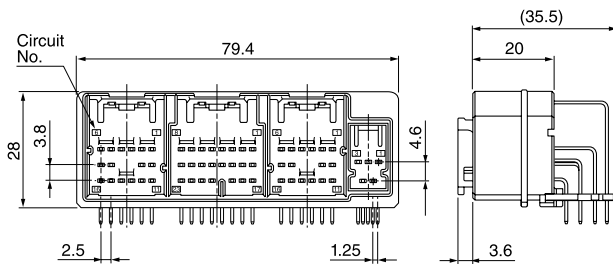
Male connector

Dip type

• 36 circuits

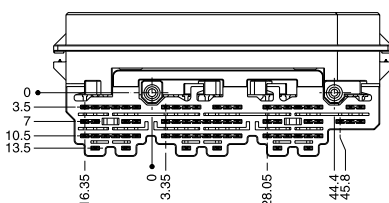
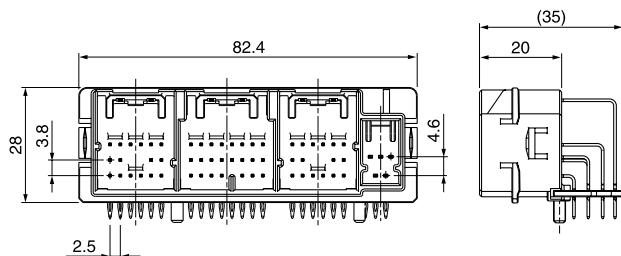


• 60 circuits



Press-fit type

• 60 circuits



Dip type

Circuits	Model No.	Q'ty/box
36	S36B-CITYTP-01B	126
60	S60B-CITYTP-01B	98

Material and Finish

0.64 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)

1.0 pin: Brass, nickel-undercoated, tin-plated (reflow treatment)

CPA pin: Brass, nickel-undercoated, Contact area; gold-plated

Solder tail; tin-plated (reflow treatment)

Housing: Glass-filled PBT, yellow

Tine-plate: Glass-filled PBT, natural (white)

Protect cap: PBT, yellow

Press-fit type

Circuits	Model No.	Q'ty/box
60	S60B-CITYTP-P-04B	60

Material and Finish

0.64 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment)

0.64 pin(L): Phosphor bronze, nickel-undercoated, Contact area; gold-plated

Press-fit area; tin-plated (reflow treatment)

1.0 pin(S, M): Phosphor bronze, nickel-undercoated, tin-plated (reflow treatment)

CPA pin: Phosphor bronze, nickel-undercoated, Contact area; gold-plated

Press-fit area; tin-plated (reflow treatment)

Housing: Glass-filled PBT, yellow

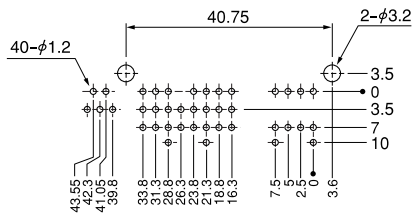
Tine-plate: Glass-filled PBT, natural (white)

Protect cap: PBT, yellow

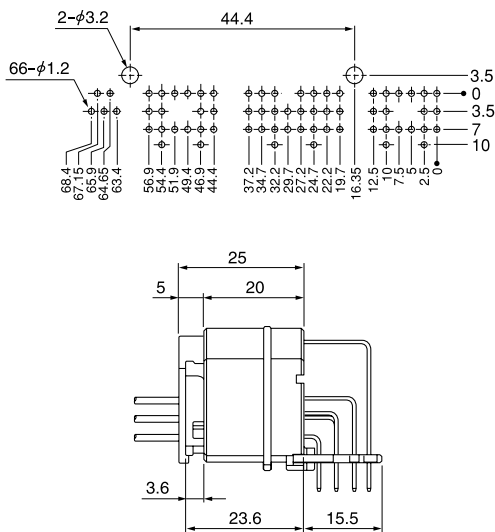
PC board layout, Assembly layout

Dip type

● 36 circuits

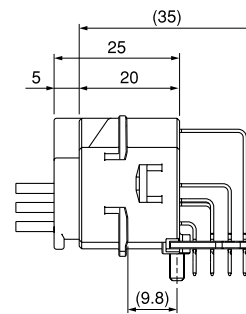
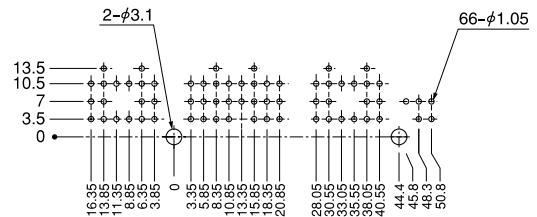


● 60 circuits



Press-fit type

● 60 circuits

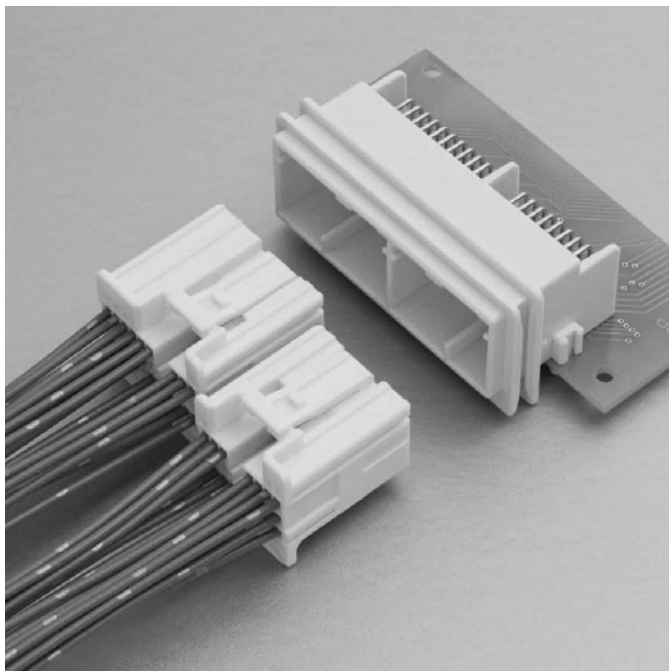


Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method.
The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator, Hand crimp tool

Strip terminal	Crimping machine	Crimp applicator MKS-L		Hand crimp tool	Applicable wire
		Dies	Crimp applicator with dies		
SNAC3-A001T-M0.64	AP-K2N	MK/SNAC3-A001-064	APLMK SNAC3-A001-064	—	—
SNAC3-A011T-M0.64		MK/SNAC3-A011-064	APLMK SNAC3-A011-064	—	—
SNAC3-A021T-M0.64		MK/SNAC3-A021-064	APLMK SNAC3-A021-064	YRK-1003	AVSS0.5, CAVS0.5
SNAC3-A021GI-M0.64-1				—	—
SNAC3-A021GF-M0.64-1				—	—

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

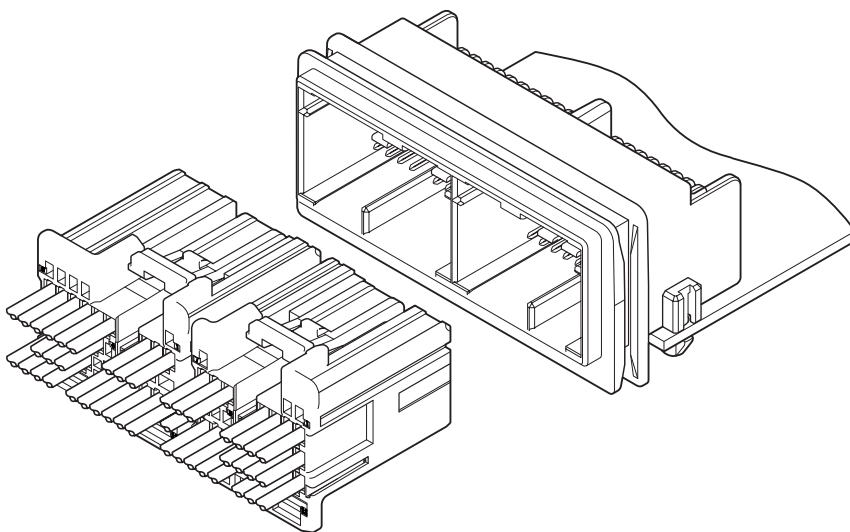


Air-bag ECU I/O connector for automobile.

Features

●Detection System for Incomplete Mating

CPA terminals electrically detect the incomplete mating of connector.

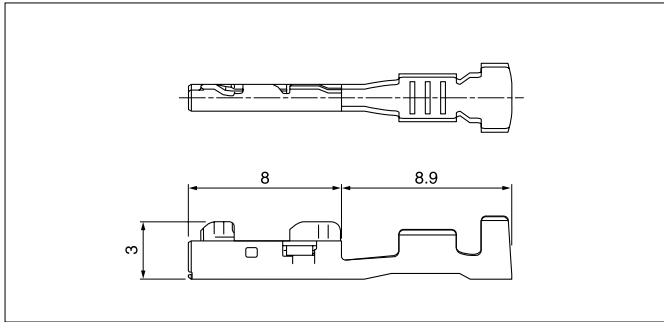


Specifications

- Current rating: 5 A AC, DC
- Voltage rating: 50 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 100 VDC/minute
- Applicable wire: AVSS/ CAVS/ CIVUS/ CHFUS
0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

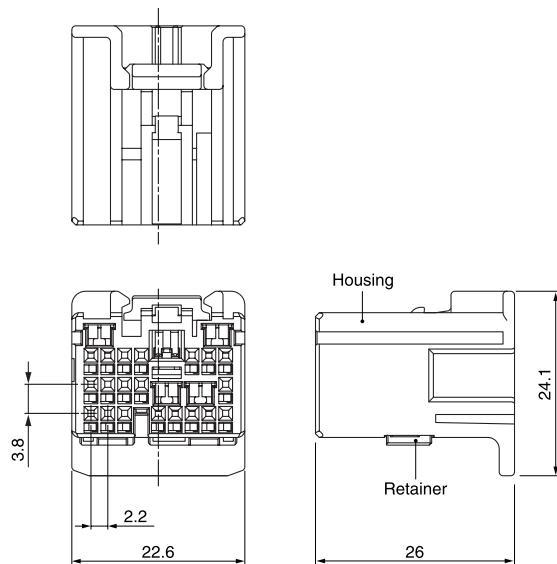
Female terminal



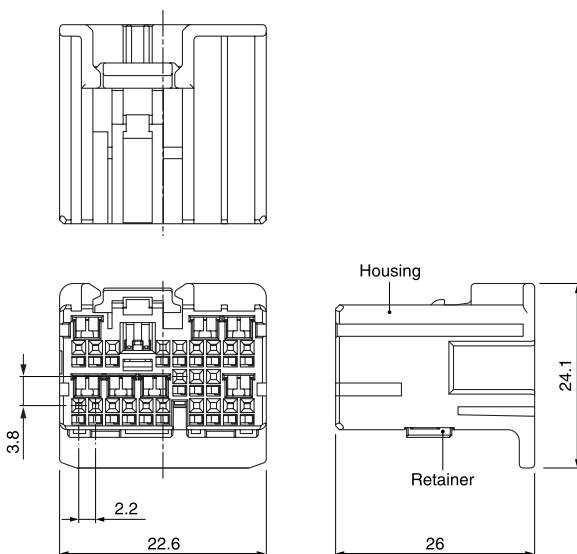
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SNAC3-A021T-M0.64	0.5	1.8	5,000
Material and Finish			
Copper alloy, tin-plated (reflow treatment)			

Female connector

● 22 circuits



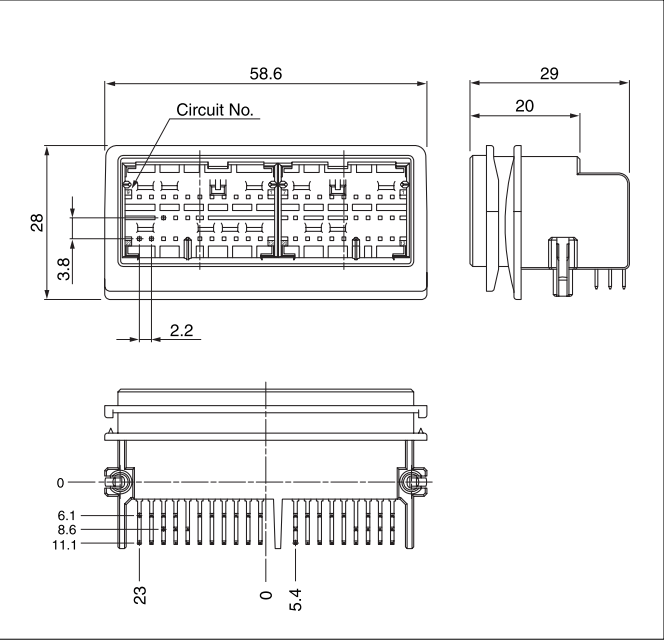
● 24 circuits



Circuits	Model No.	Q'ty/box
22	TRZPB-22-A-Y	448
24	TRZPB-24-A-Y	392
Material and Finish		
Housing: PBT, yellow		
Short terminal: Copper alloy, tin-plated (reflow treatment)		
CPA terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated		
Retainer : PBT, natural (white)		

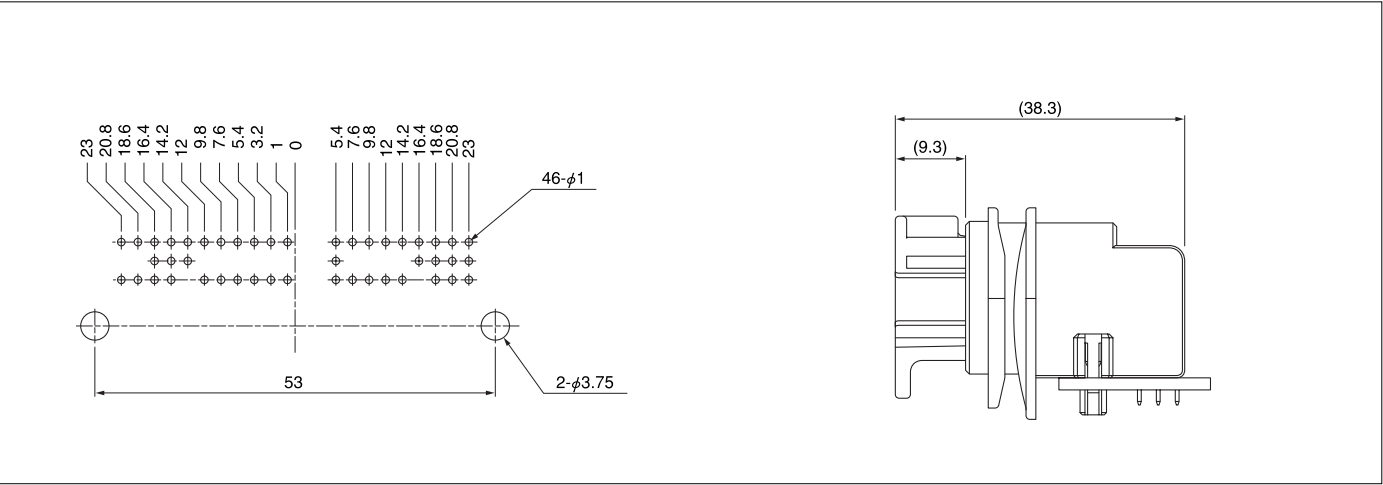
TRZ CONNECTOR

Male connector



Circuits	Model No.	Q'ty/box
46	S46B-TRZY-D-1B	100
Material and Finish		
Housing: PBT, yellow		
0.64 Signal pin: Brass, nickel-undercoated, tin-plated (reflow treatment)		
0.64 CPA pin: Brass, nickel-undercoated, Contact area: gold-plated		

PC board layout, Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNAC3-A021T-M0.64	AP-K2N	MK/SNAC3-A021-064	APLMK SNAC3-A021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

GLT CONNECTOR (18P type)

Board-to-wire

Features

●Variation

Contact JST for housing color/key code.

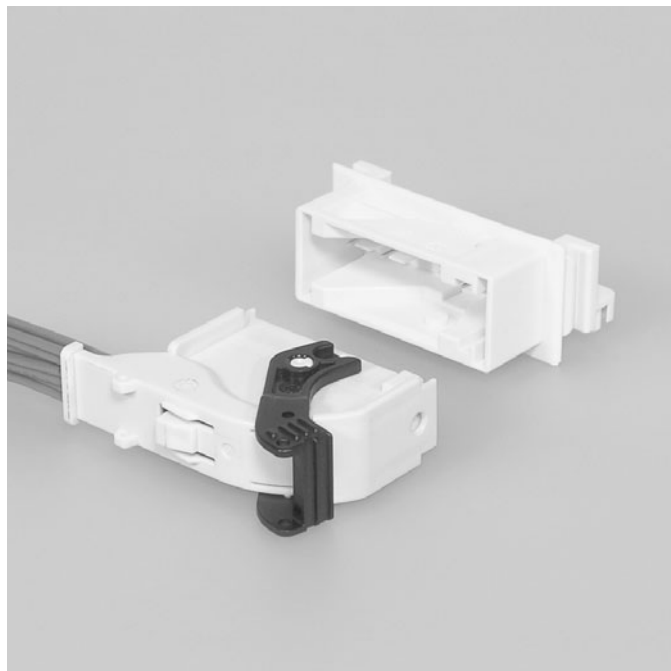
●Terminal construction

It is designed to prevent the deformation of contact area when processing wire harness by separate area of each terminal box and spring contact.

The contact stabilization is achieved by two spring contact area constructions.

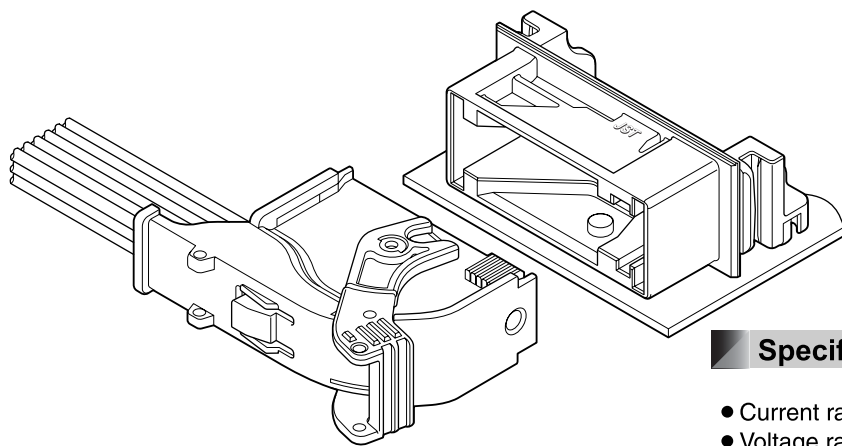
●Mating

The lever mechanism is adopted to decrease the insertion force in mating male and female.



This connector is realized the miniaturization as air-bag ECU for automobile and low insertion force by using lever.

This connector has the various color/key code corresponding to needs, hence the connector type suitable for the vehicle can be selected.



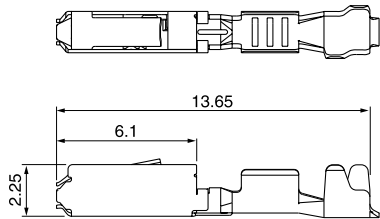
Specifications

- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 14V AC, DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
Female terminal; Initial value/10mΩ max.
After environmental testing/20mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS
0.5mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

GIT(18P type) CONNECTOR

Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SGIT-A021GF-MS0.64	0.5	1.7	7,000

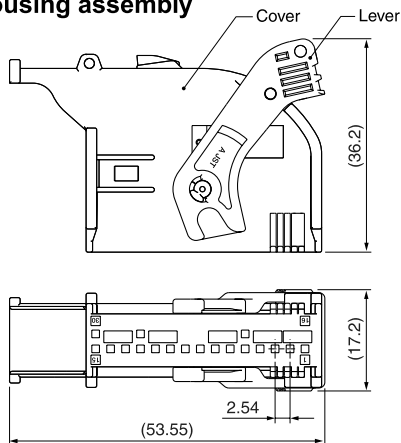
Material and Finish

Terminal box: Stainless

Terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; gold-plated

Female connector

Cover housing assembly



Model No.	Q'ty/box	Color
18GIT-CL-1A-01-01	600	Yellow

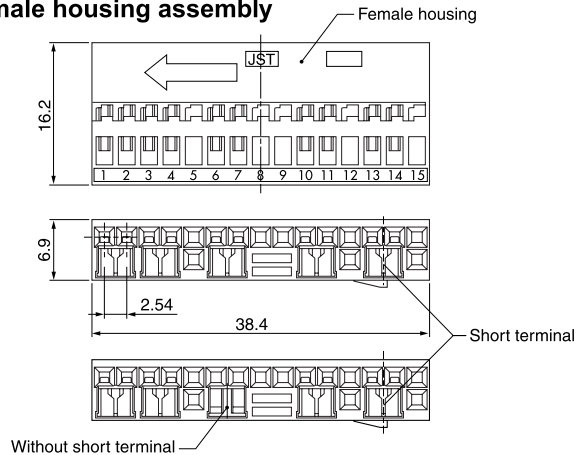
Material

Cover housing: Glass-filled PBT, yellow

Lever: Glass-filled PBT, black

Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

Female housing assembly

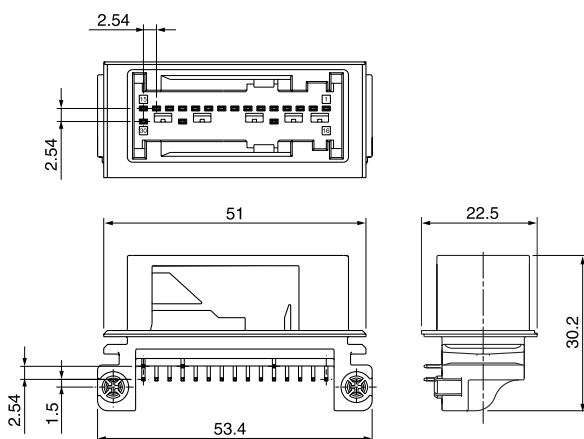


Model No.	Q'ty/box	No. of short terminals
18GIT-RS-1A-Y	2,000	5
18GIT-RS-2A-Y	2,000	4

Material and Finish

Short terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated

Male connector



Model No.	Q'ty/box	Color
S18B-GIT01-1A-01	240	Yellow

Material and Finish

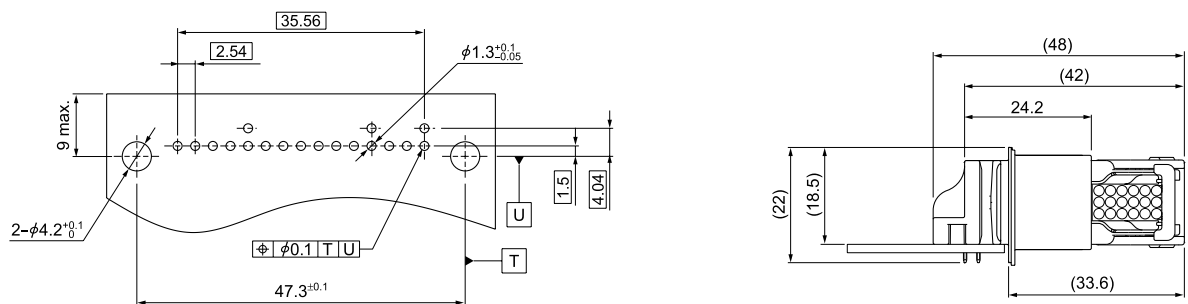
Male housing: Glass-filled PBT, yellow

Pin: Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

GIT(18P type) CONNECTOR

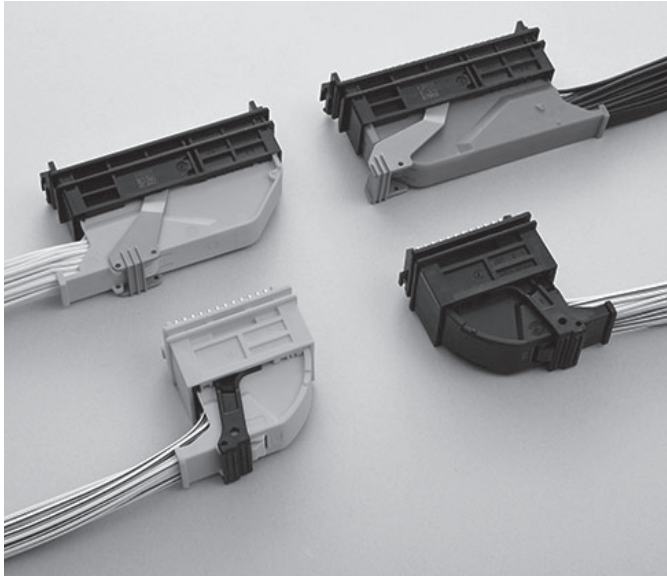
PC board layout, Assembly layout



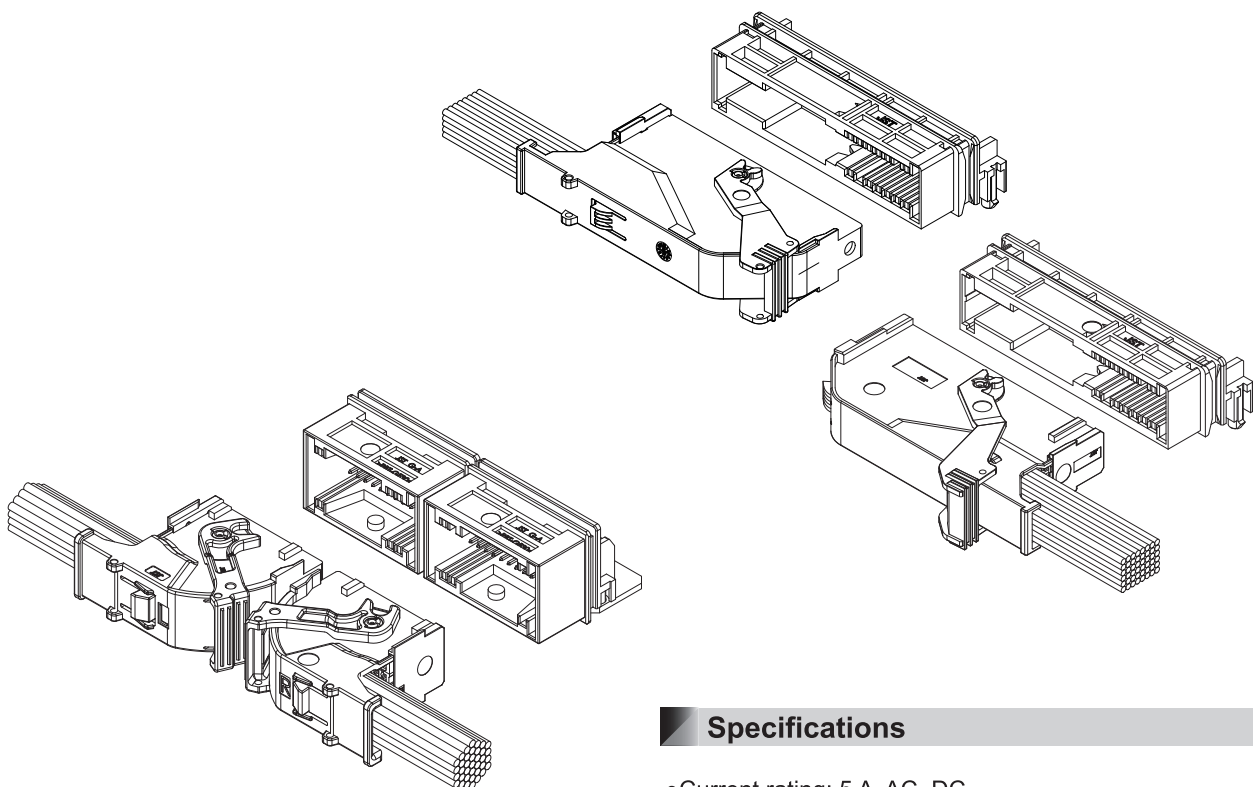
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L		Applicable wire
		Dies	Crimp applicator with dies	
SGIT-A021GF-MS0.64	AP-K2N	MK/SGIT-A021-064	APLMK SGIT-A021-064	AVSS0.5

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Realized low insertion force with lever mechanism. These connector have the variousable to color/ key/ pin arrange corresponding to needs, hance the connector type suitable can be selected.



Features

•Variation

Various pin arrangement/ housing color/ key code/ harness direction selectable.

•Terminal Construction

Four contact points and dual springs achieve high reliability.

•Lever Mating

The lever mechanism is adopted to reduce the insertion force in mating male and female connector.

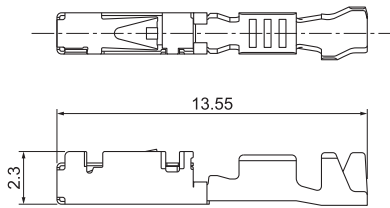
Specifications

- Current rating: 5 A AC, DC
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS
0.3 mm² to 0.5 mm²
FLRY-A
0.35 mm² to 0.5 mm²

* Compliant with ELV/RoHS.

* Contact JST for details.

Female terminal

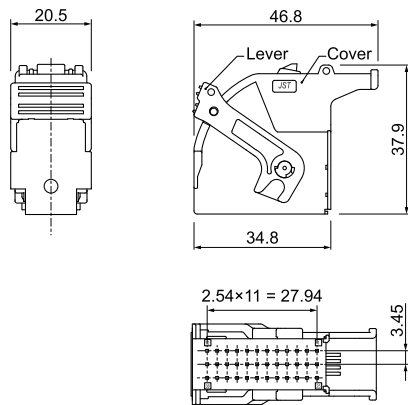


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SGIT-B021T-MS0.64	0.35 to 0.5	1.4 to 1.7	9,000
Material and Finish			
Terminal box: SUS			
Terminal spring: Copper alloy, tin-plated			

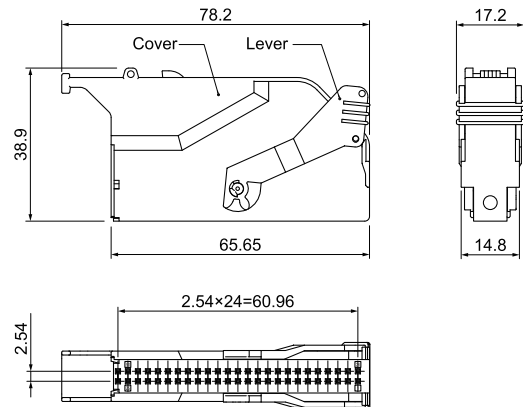
Female connector

Cover housing

• 36GIT-CL-1A-()-() ()



• 50GIT-CL-1A-01()-() Harness Left Direction



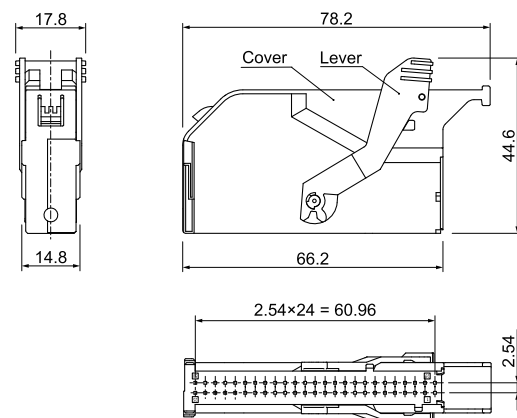
Circuits	Model No.	Q'ty/box
36	36GIT-CL-1A-()-() ()	360
50	50GIT-CL-1A-01()-()	360
	50GIT-CL-2A-37()-()	360

Material and Finish

Cover housing: Glass-filled PBT
 Color: GIT 36P: Yellow, Orange, White (Left Direction)
 Black (Right Direction)
 GIT 50P: Yellow (Left Direction)
 Orange (Right Direction)

Lever: Glass-filled PBT
 Color: GIT 36P: Black
 GIT 50P: Gray, Green, Black

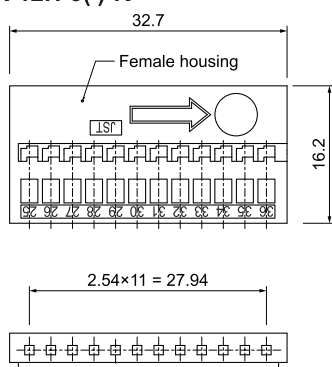
• 50GIT-CL-2A-37()-() Harness Right Direction



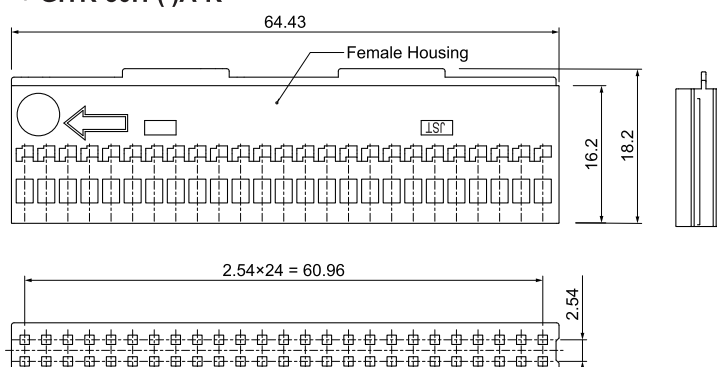
Female connector

Female housing

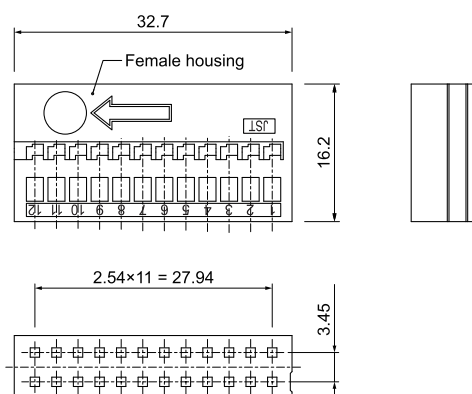
• GITR-12H-3()-K



• GITR-50H-()A-K



• GITR-24H-1()-K



Circuits	Model No.	Q'ty/box
36	GITR-12H-3()-K	1,500
	GITR-24H-1()-K	900
50	GITR-50H-()A-K	600

Material and Finish

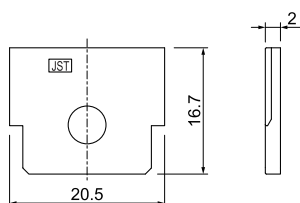
Housing: Glass-filled PBT, Black

Note: GITR-12H-3A-K: It is used in GIT 36 circuits Harness Left Direction.
 GITR-12H-3B-K: It is used in GIT 36 circuits Harness Right Direction.
 GITR-24H-1A-K: It is used in GIT 36 circuits Harness Left Direction.
 GITR-24H-1B-K: It is used in GIT 36 circuits Harness Right Direction.

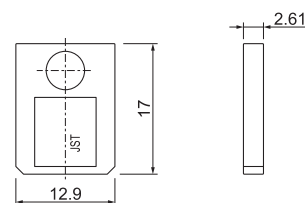
GITR-50H-1A-K: It is used in GIT 50 circuits Harness Left Direction.
 GITR-50H-2A-K: It is used in GIT 50 circuits Harness Right Direction.

Slide cover

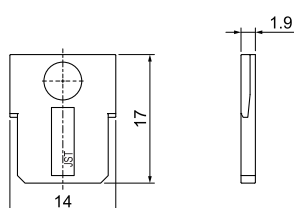
• GITSL-H-4A-K



• GITSL-H-2A-K



• GITSL-H-3A-K



Circuits	Model No.	Q'ty/box
36	GITSL-H-4A-K	400
50	GITSL-H-2A-K	500
	GITSL-H-3A-K	500

Material and Finish

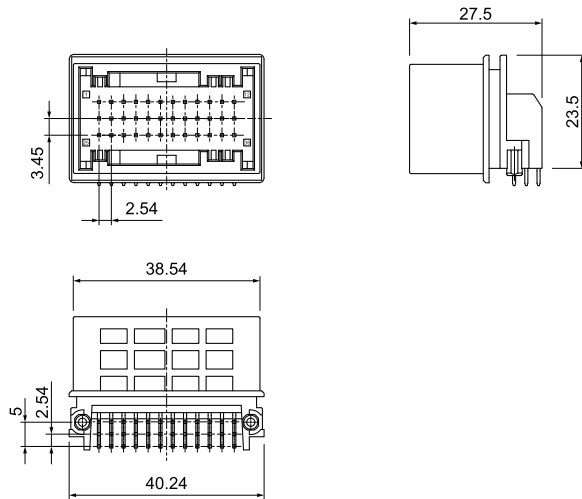
Housing: Glass-filled PBT, Black

Note: GITSL-H-4A-K for GIT 36 circuits is available for both directions.
 GITSL-H-2A-K is used in GIT 50 circuits Harness Left Direction.
 GITSL-H-3A-K is used in GIT 50 circuits Harness Right Direction.

Male connector

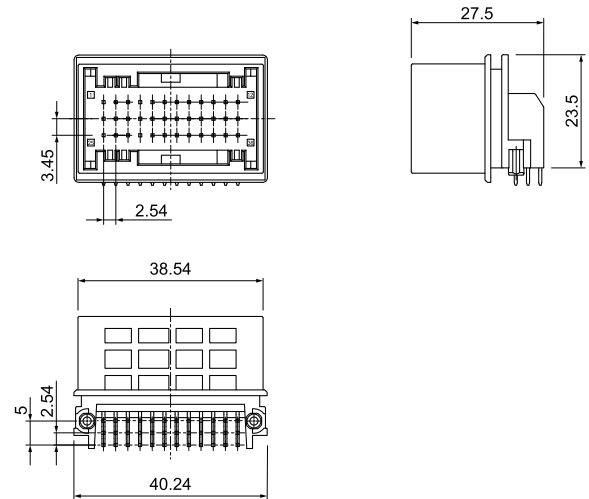
Harness Left Direction

- S36B-GIT()-2A-()L
- S24(36)B-GIT()-2A-()L

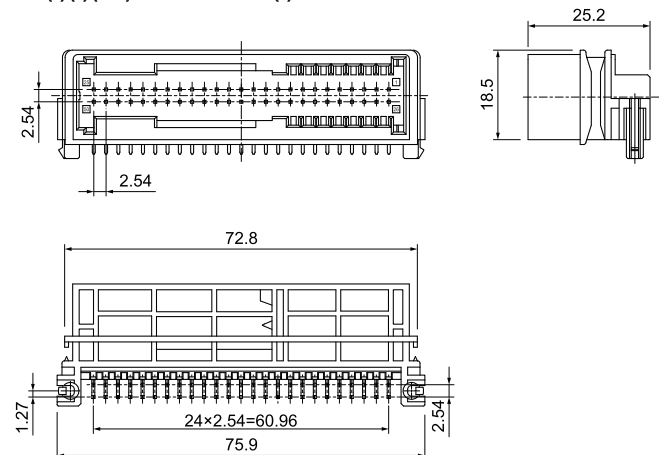


Harness Right Direction

- S36B-GIT()-2A-()R
- S24(36)B-GIT()-2A-()R



- S()()50B-GIT03-2C-()



Circuits	Model No.	Q'ty/box
36	S36B-GIT()-2A-()()	180
	S24(36)B-GIT()-2A-()()	180
50	S()()50B-GIT03-2C-()	192

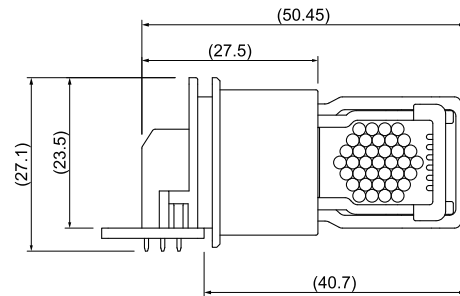
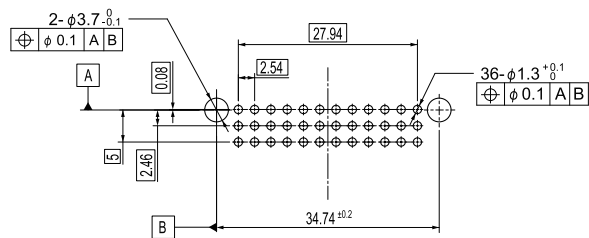
Material and Finish

Housing: Glass-filled PBT, Black

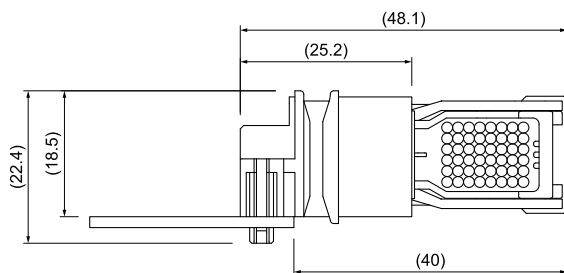
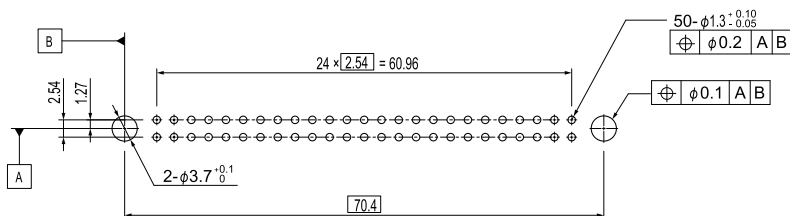
Terminal: Copper alloy, nickel-undercoated, tin-plated

PC board layout, Assembly layout

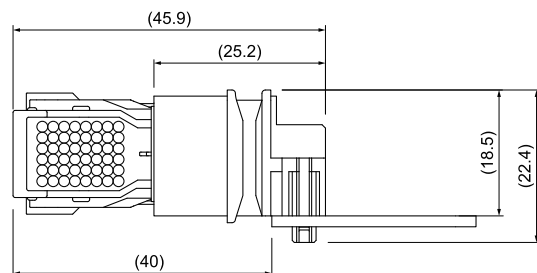
- **36 circuits**



- 50 circuits



Harness Left Direction

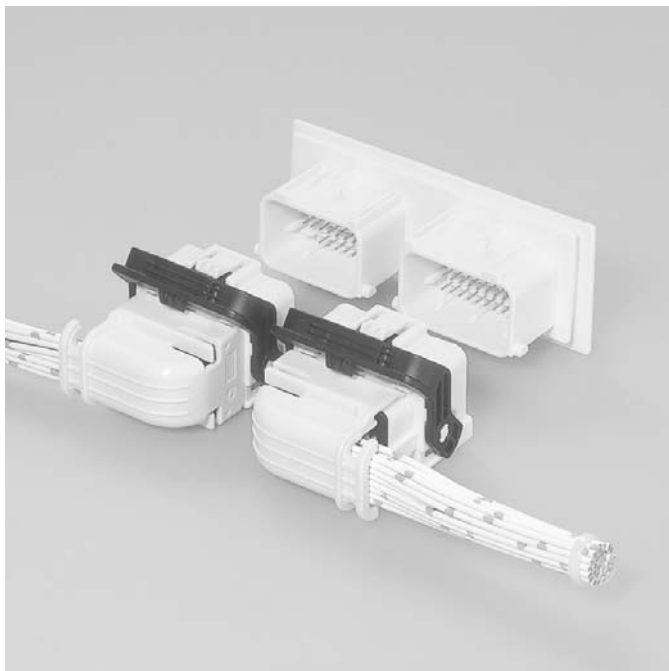


Harness Right Direction

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SGIT-B021T-MS0.64	AP-K2N	MK/SGIT-B021-064	APLMK SGIT-B021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

●Variation

Contact JST for pin arrangement/housing color/key code.
Dip type and press-fit type are available for connecting at PC board side.

●Terminal construction

It is designed to prevent the deformation of contact area when processing wire harness by protecting contact area of each terminal box.

●Mating

CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

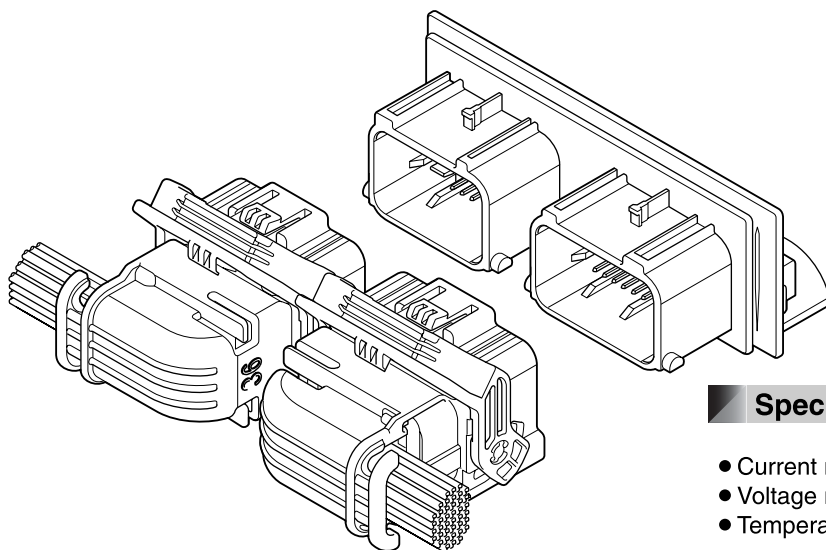
The lever mechanism is adopted to decrease the insertion force in mating male and female.

●Sealed

Mat seal is adopted for improving the workability of harness assembling.

This is ECU I/O connector for automobile air-bag of the miniaturization and sealed type.

This connector has the various pin arrangement/color/key code/PC board connecting method corresponding to needs, hence the connector type suitable for the vehicle can be selected.

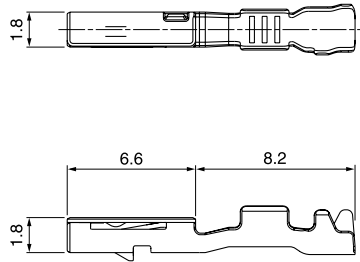


Specifications

- Current rating: 5 A AC, DC max.
- Voltage rating: 14 V DC max.
- Temperature range: -40°C to +120°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - Female terminal; Initial value/ 10 mΩ max.
 - After environmental tests/ 20 mΩ max.
 - Short terminal; Initial value/ 50 mΩ max.
 - After environmental tests/ 100 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS/ AESSX (f)
0.5 mm²

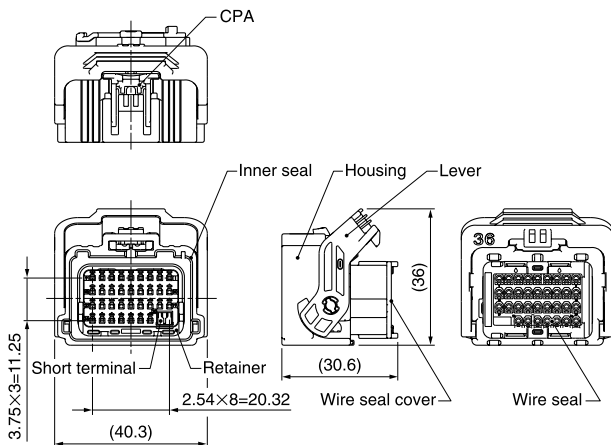
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

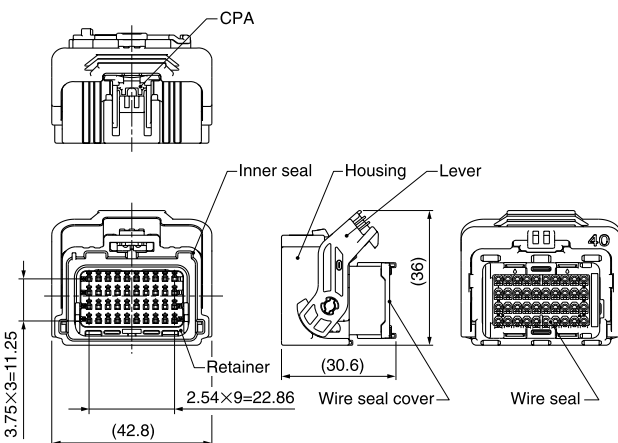


Female connector

• 36 circuits



• 40 circuits



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SWPH-A021GF-M0.64	0.5	1.7	10,000

Material and Finish

Copper alloy, nickel-undercoated, tin-plated, Contact area; gold-plated

Circuits	Model No.	Q'ty/box
36	36WIC-B-1A-()	280

Material and Finish

Housing: Glass-filled PBT (Refer to note)
 Retainer: Glass-filled PBT, Black
 Lever: Glass-filled PBT, Black
 CPA housing: Glass-filled PBT, Black
 Wire seal cover: Glass-filled PBT, Black
 Inner seal: Silicone, Green
 Wire seal: Silicone, Green
 Short terminal: Copper alloy, nickel-undercoated, tin-plated,
 Contact area; gold-plated

Note: Color/Key codes of the housing are prepared.
 Contact JST for details.

Circuits	Model No.	Q'ty/box
40	40WIC-B-1A-()	280

Material and Finish

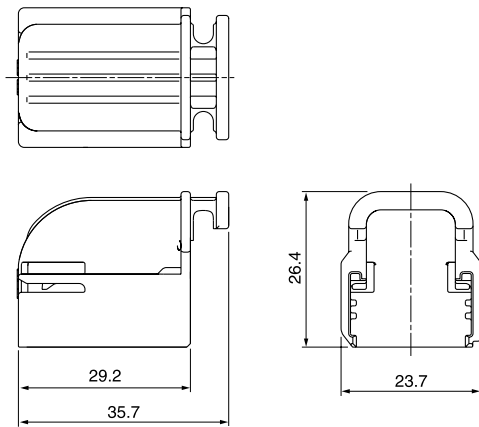
Housing: Glass-filled PBT (Refer to note)
 Retainer: Glass-filled PBT, Black
 Lever: Glass-filled PBT, Black
 CPA housing: Glass-filled PBT, Black
 Wire seal cover: Glass-filled PBT, Black
 Inner seal: Silicone, Red
 Wire seal: Silicone, Red

Note: Color/Key codes of the housing are prepared.
 Contact JST for details.

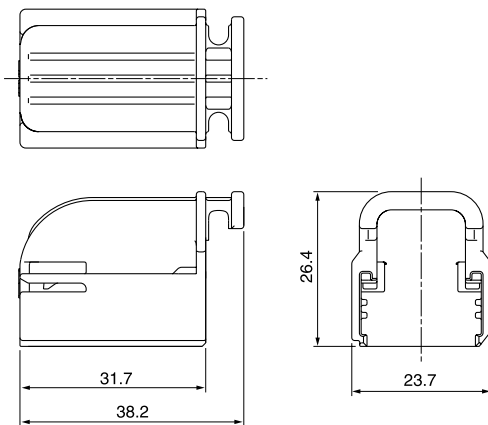
WIC CONNECTOR

Female harness cover

• 36 circuits

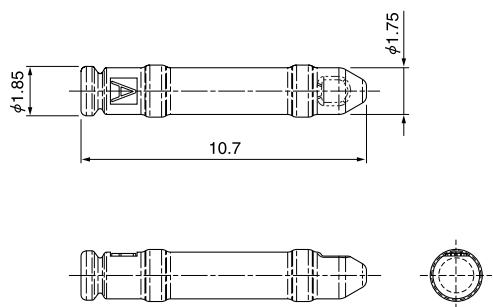


• 40 circuits



Circuits	Model No.	Q'ty/box
36	WICC-36-S	400
40	WICC-40-S	400
Material and Finish		
Glass-filled PBT, Natural (White)		

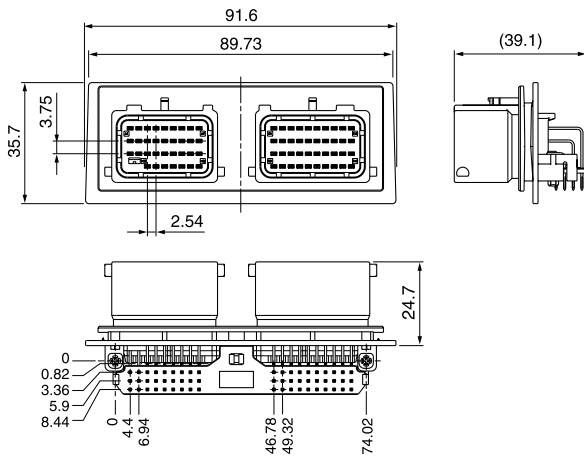
Female dummy plug



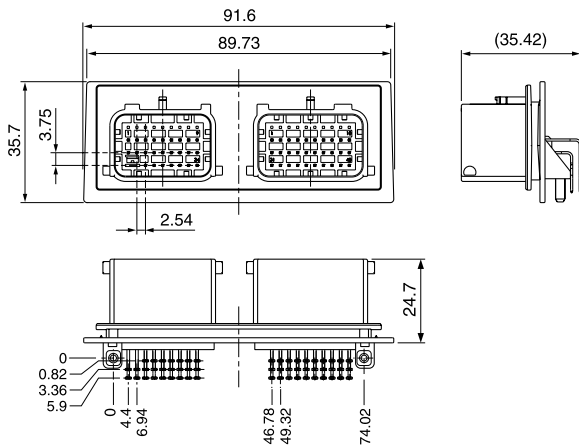
Model No.	Q'ty/box
WPHDP-H-1A-H	7,000
Material and Finish	
PBT, Gray	

Male connector

DIP type



Press-fit type



Circuits	Model No.	Q'ty/box
1 to 74	S()B-WIC()-1A	60
	S()B-WIC()-1A(M)	154

Material and Finish

Housing: Glass-filled PBT (Refer to note)
Tine-plate: Glass-filled PBT, Black
Pin: Copper alloy, nickel-undercoated, tin-plated,
Contact area; gold-plated

Note: 1. Color/Key codes of the housing are prepared.
Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.
2. (M) Magazine stick packing

Circuits	Model No.	Q'ty/box
1 to 55	S()(76)B-WICP()-1A	75
	S()(76)B-WICP()-1A(M)	135

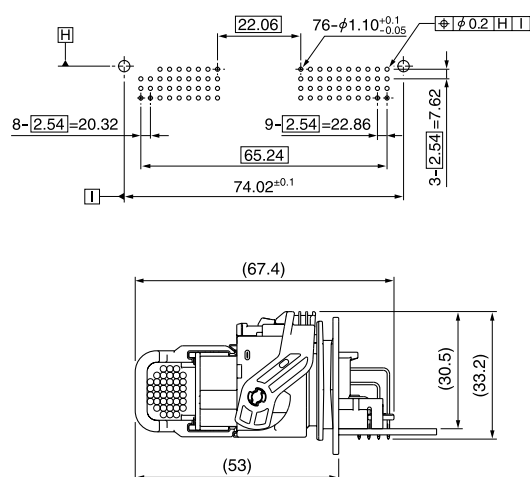
Material and Finish

Housing: Glass-filled PBT (Refer to note)
Pin: Phosphor bronze, nickel-undercoated,
Press-fit area; tin-plated, Contact area; gold-plated

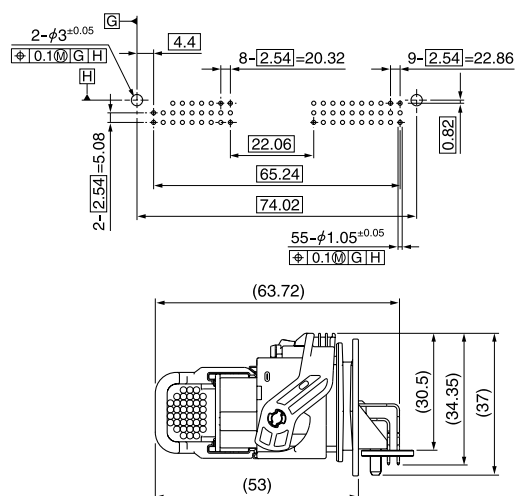
Note: 1. Color/Key codes of the housing are prepared.
Up to maximum 74 circuits for dip type and maximum 55 circuits for press-fit type (extensible up to 74 circuits) are available. Contact JST for details.
2. (M) Magazine stick packing

PC board layout, Assembly layout

DIP type



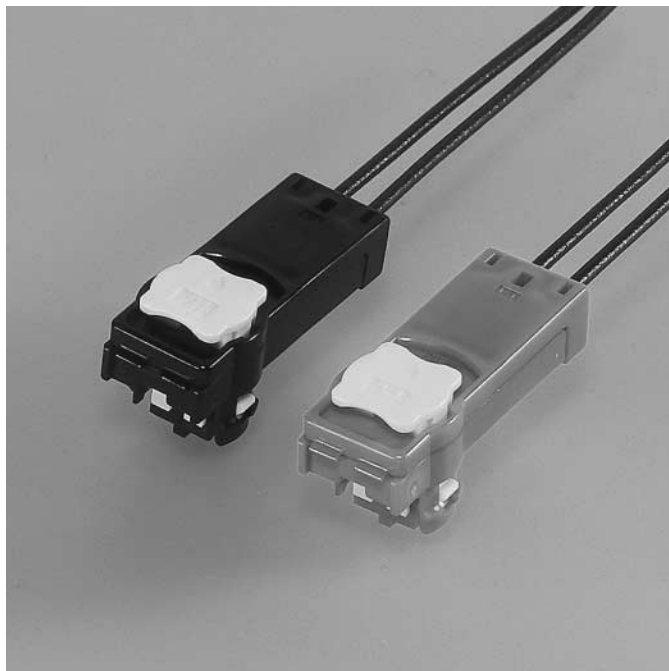
Press-fit type



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SWPH-A021GF-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.

Features

●Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

●Terminal construction

It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

●Scooping (kojiri) preventive construction

Using a shunt ring with a countermeasure for scooping (kojiri), the resistance to scooping (kojiri) insertion and withdrawal is improved.

●Noise suppression

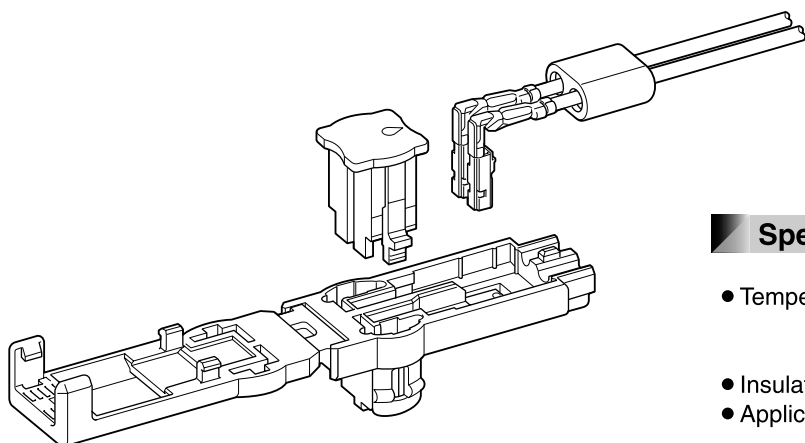
Ferrite core provides simple and reliable noise suppression characteristics.

●Two types of CPA housing

1A type: Normal type

2A type: CPA housing has the jig tool insertion part in a tail part in order to easily connector disassembly operation with a jig tool such as drivers.

- * They are selectable by usage and installed place of connector.
- * Contact JST for details.

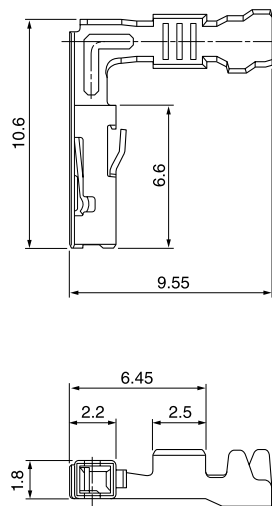


Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.3 mm² to 0.5 mm²

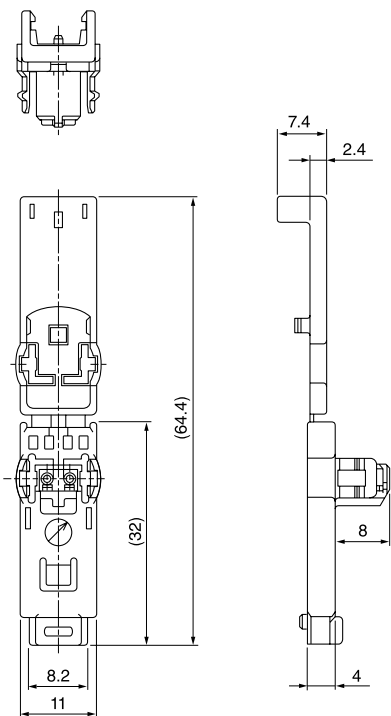
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

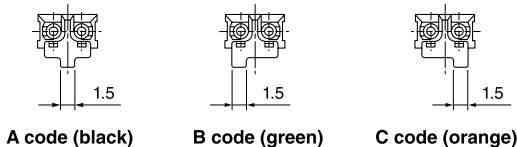


Model No.	Applicable wire range		Q ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SQS-A03GF-P-P	0.3 to 0.5	1.0 to 1.6	6,500
SQS-A03GI-P-P	0.3 to 0.5	1.0 to 1.6	6,500
Material and Finish			
GF: Copper alloy, nickel-undercoated, Contact area; gold-plated (0.4 μm min.)			
GI: Copper alloy, nickel-undercoated, Contact area; gold-plated (0.8 μm min.)			

Female housing



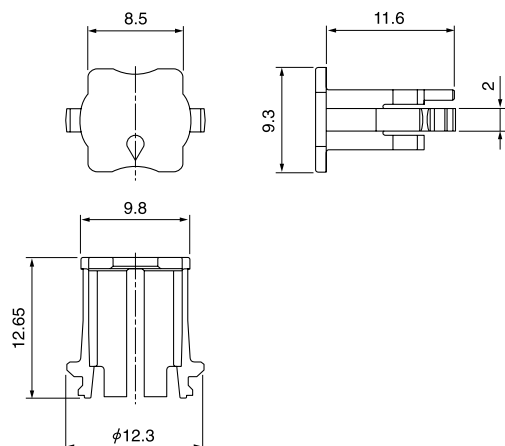
● Keying figure



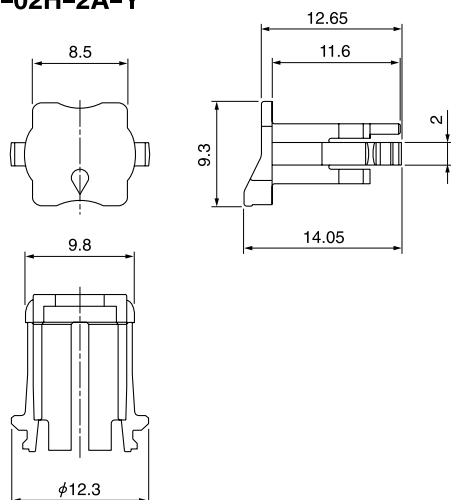
Circuits	Model No.	Keying figure	Q ty/box	Color
2	SQSR-02H-1A-K	A code	1,000	Black
	SQSR-02H-1B-M	B code	1,000	Green
	SQSR-02H-1C-D	C code	1,000	Orange
Material				
PBT				

CPA housing

• SQSC-02H-1A-Y

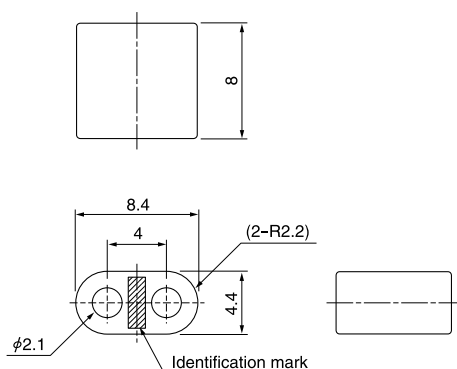


• SQSC-02H-2A-Y



Circuits	Model No.	Q ty/box	Color
2	SQSC-02H-1A-Y	2,000	Yellow
	SQSC-02H-2A-Y	2,000	Yellow
Material			
Glass-filled PBT			

Ferrite



Circuits	Model No.	Q ty/box
2	SQSF-02-1A	3,000

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SQS-A03GF-P-P	AP-K2N	MK/SQS-A03-P	APLMK SQS-A03-P
SQS-A03GI-P-P			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.

Features

● Compact design

This connector is approximately 13mm smaller than the SQS connector in total length (31.3mm→18mm).

● Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

● Terminal construction

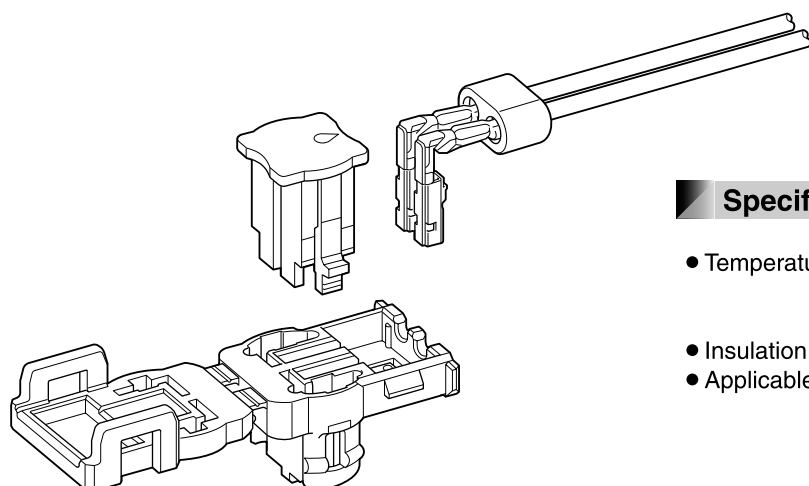
It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

● Scooping (kojiri) preventive construction

Using a shunt ring with a countermeasure for scooping (kojiri), the resistance to scooping (kojiri) insertion and withdrawal is improved.

● Noise suppression

Ferrite core provides simple and reliable noise suppression characteristics.

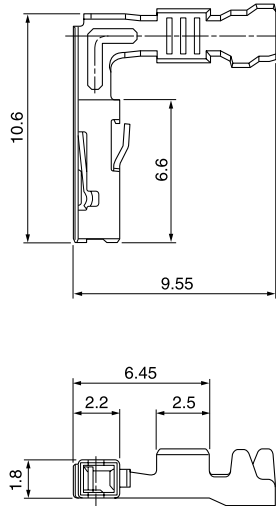


Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



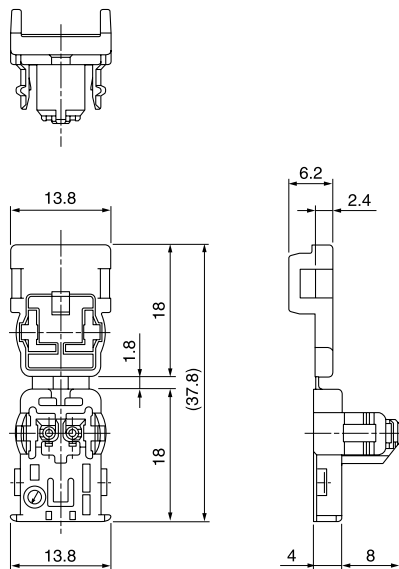
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SQS-A03GF-P-P	0.3 to 0.5	1.0 to 1.6	6,500
SQS-A03GI-P-P	0.3 to 0.5	1.0 to 1.6	6,500

Material and Finish

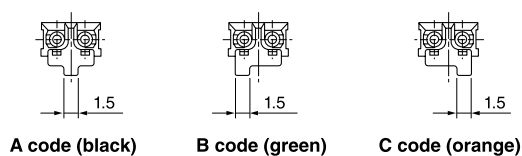
GF: Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.4 μm min.)

GI: Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.8 μm min.)

Female housing



● Keying figure



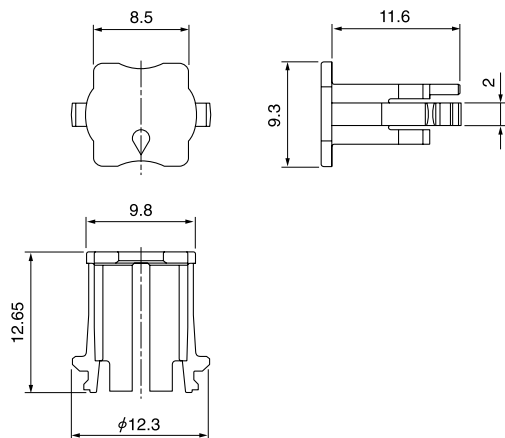
Circuits	Model No.	Key figure	Q'ty/box	Color
2	SQMR-02H-1A-K	A code	1,500	Black
	SQMR-02H-2A-LP	A code	1,500	Purple
	SQMR-02H-1B-M	B code	1,500	Green
	SQMR-02H-1C-D	C code	1,500	Orange

Material

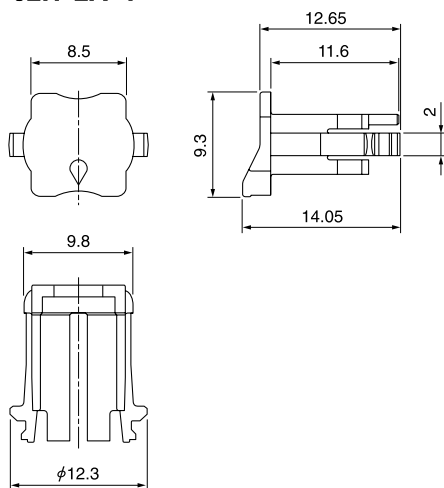
PBT

CPA housing

• SQSC-02H-1A-Y

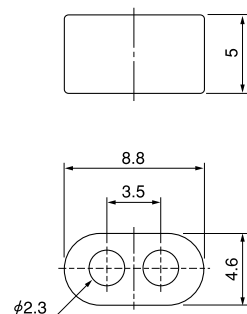


• SQSC-02H-2A-Y



Circuits	Model No.	Q ty/box	Color
2	SQSC-02H-1A-Y	2,000	Yellow
	SQSC-02H-2A-Y	2,000	Yellow
Material			
Glass-filled PBT			

Ferrite

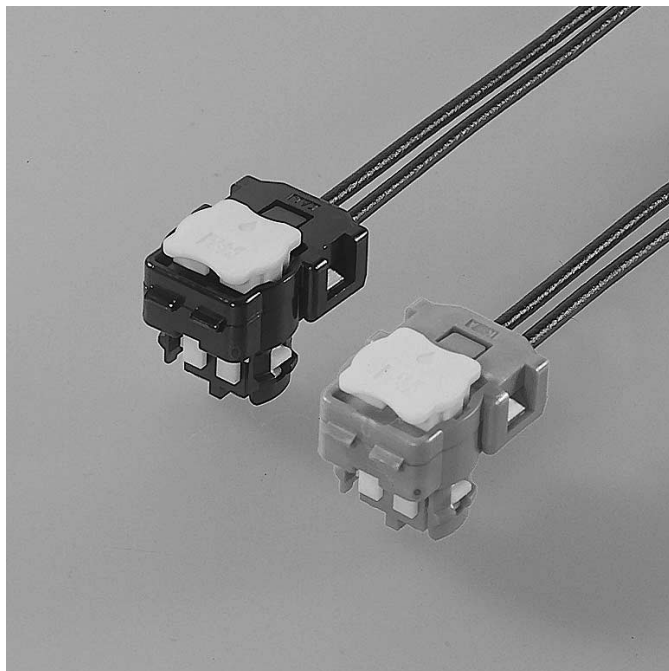


Circuits	Model No.	Q ty/box
2	SQMF-02-1A	3,000

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SQS-A03GF-P-P	AP-K2N	MK/SQS-A03-P	APLMK SQS-A03-P
SQS-A03GI-P-P			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.

Features

●Compact design

This connector is approximately 13mm smaller than the SQS connector in total length (31.3mm→18mm).

This connector can fit in the outer diameter 25mm or less of an inflator.

●Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

●Terminal construction

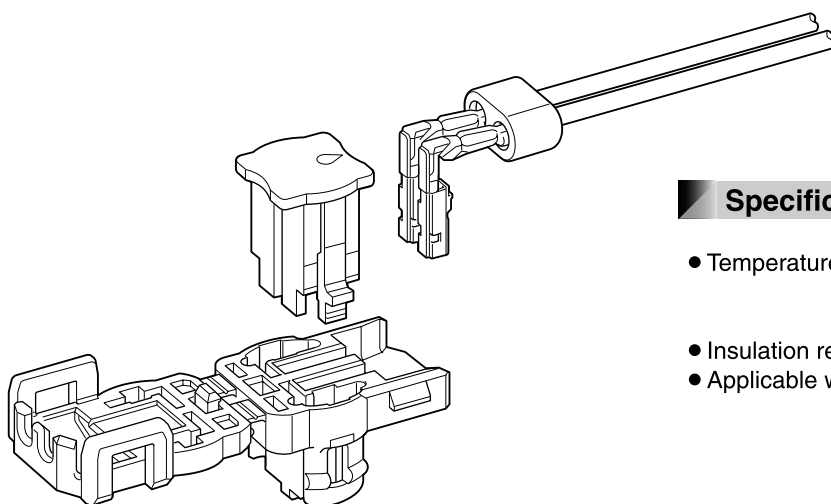
It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

●Scooping (kojiri) preventive construction

Using a shunt ring with a countermeasure for scooping (kojiri), the resistance to scooping (kojiri) insertion and withdrawal is improved.

●Noise suppression

Ferrite core provides simple and reliable noise suppression characteristics.

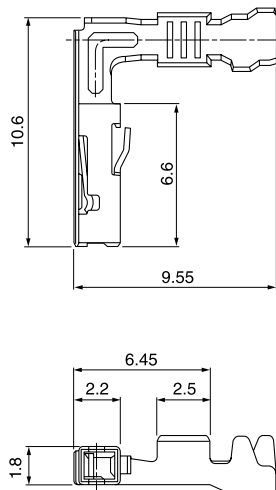


Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



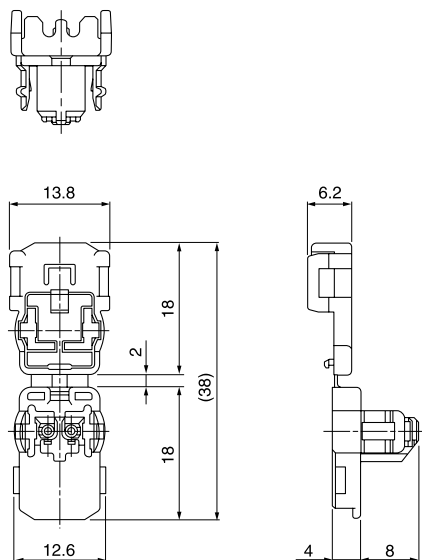
Model No.	Applicable wire range		Q ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SQS-A03GF-P-P	0.3 to 0.5	1.0 to 1.6	6,500
SQS-A03GI-P-P	0.3 to 0.5	1.0 to 1.6	6,500

Material and Finish

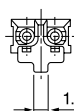
GF: Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.4 μm min.)

GI: Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.8 μm min.)

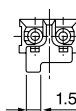
Female housing



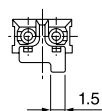
• Keying figure



A code (black)



B code (green)



C code (orange)

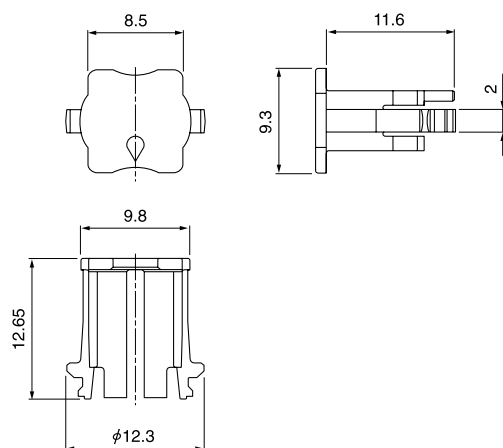
Circuits	Model No.	Key figure	Q ty/box	Color
2	SQHR-02H-1A-K	A code	1,500	Black
	SQHR-02H-1B-M	B code	1,500	Green
	SQHR-02H-1C-D	C code	1,500	Orange

Material

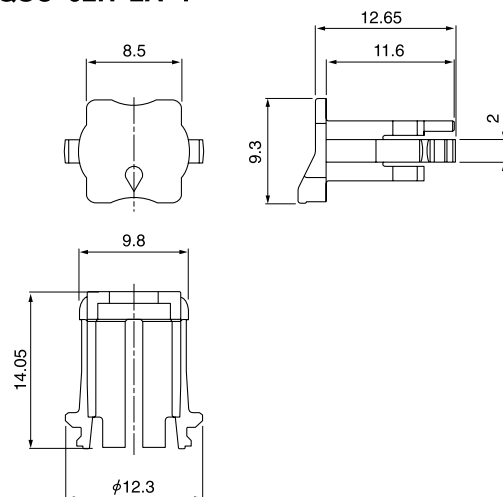
PBT

CPA housing

• SQSC-02H-1A-Y

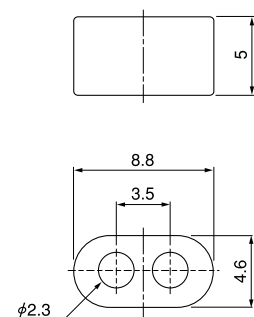


• SQSC-02H-2A-Y



Circuits	Model No.	Q ty/box	Color
2	SQSC-02H-1A-Y	2,000	Yellow
	SQSC-02H-2A-Y	2,000	Yellow
Material			
Glass-filled PBT			

Ferrite

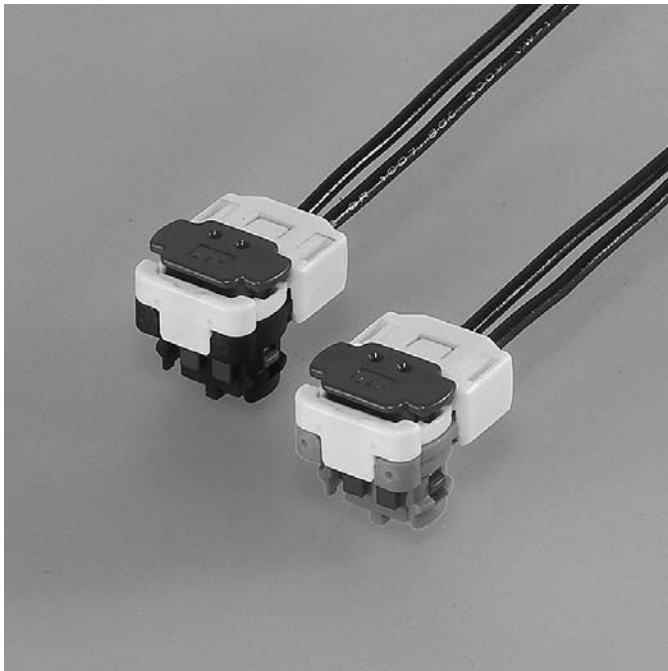


Circuits	Model No.	Q ty/box
2	SQMF-02-1A	3,000

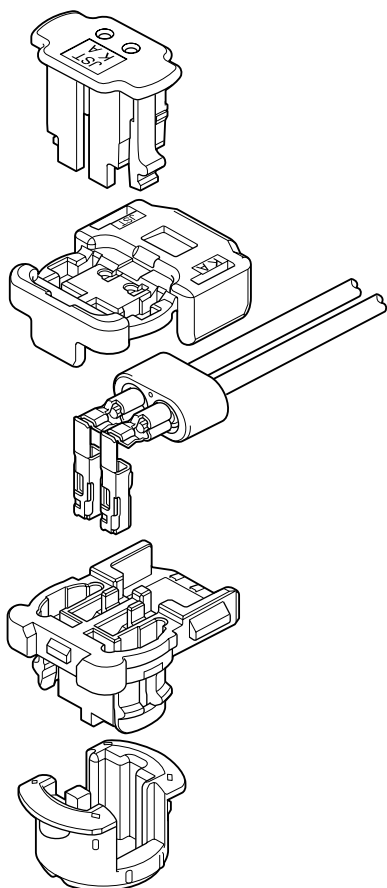
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SQS-A03GF-P-P	AP-K2N	MK/SQS-A03-P	APLMK SQS-A03-P
SQS-A03GI-P-P			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag, conforming to USCAR standard, has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.



Features

●Compact design

This connector is approximately 13 mm smaller than the SQS connector in total length.

This connector can fit in the outer diameter 25 mm or less of an inflator.

●Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

●Terminal construction

The contact part is placed forward compared to the conventional female terminal so that the effective contact length extends.

●Scooping (kajiri) preventive construction

Using a shunt ring with a countermeasure for scooping (kajiri), the resistance to scooping (kajiri) insertion and withdrawal is improved.

●Noise suppression

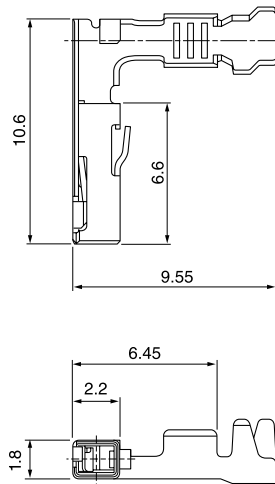
Ferrite core provides simple and reliable noise suppression characteristics.

Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.3 mm² to 0.5 mm²
0.8 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

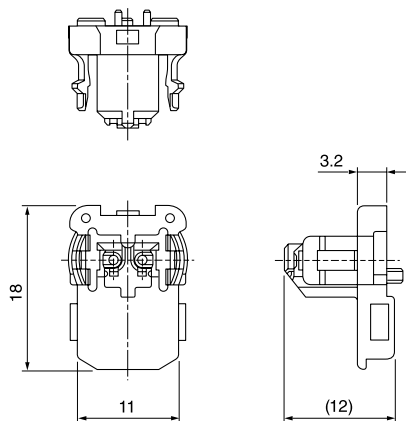


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQS2-A03GI-P-P	0.3 to 0.5	1.0 to 1.8	6,500
SSQS2-A04GI-P-P	0.8	2.03	5,000

Material and Finish

Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.8 μm min.)

Female housing

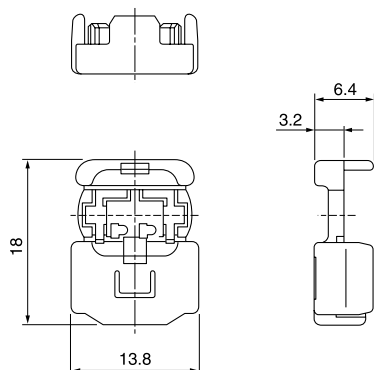


Circuits	Model No.	Q'ty/bag	Color
2	SQS2R-02H-2A-K	1,000	Black
	SQS2R-02H-2C-D	1,000	Orange

Material and Finish

PBT

Cover housing



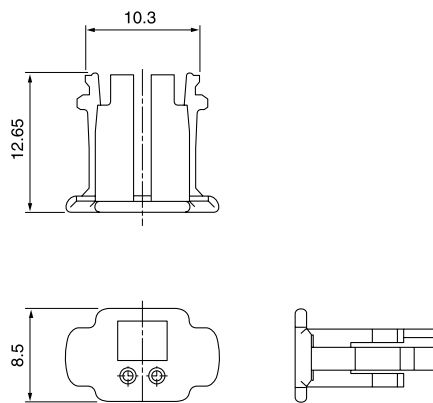
Circuits	Model No.	Q'ty/bag	Color
2	SQS2L-02H-1A-Y	1,000	Yellow

Material and Finish

PBT

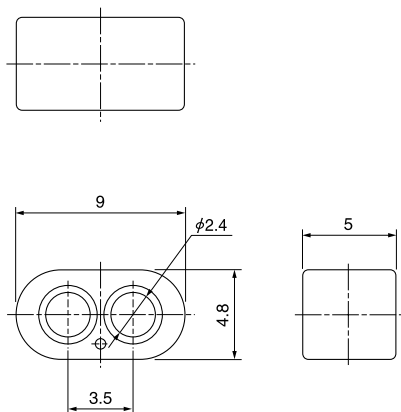
SQS II CONNECTOR

CPA housing



Circuits	Model No.	Q'ty/bag	Color
2	SQS2C-02H-1A-R	2,000	Red
Material and Finish			
Glass-filled PBT			

Ferrite

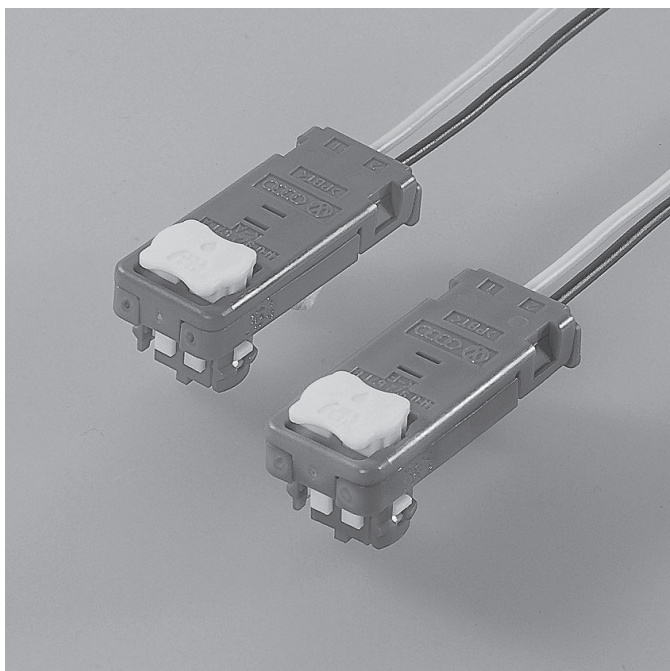


Circuits	Model No.	Q'ty/box
2	SQS2F-02-1T	3,000

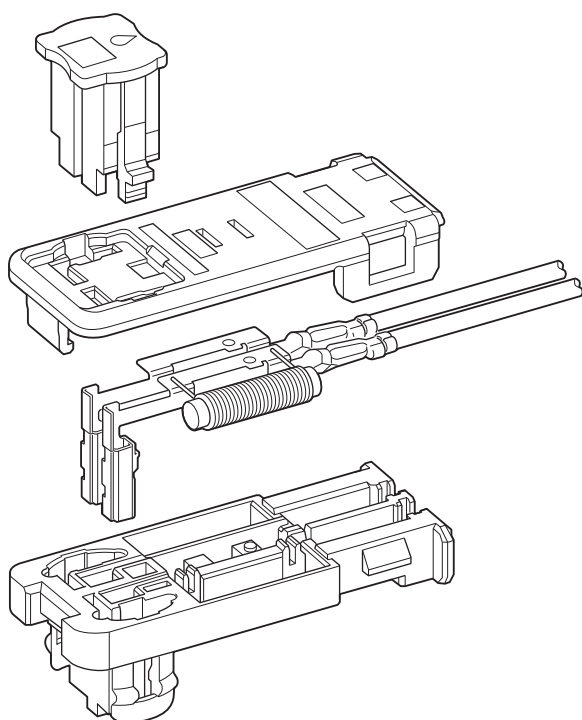
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQS2-A03GI-P-P	AP-K2N	MK/SSQS2-A03-P	APLMK SSQS2-A03-P
SSQS2-A04GI-P-P			APLMK SSQS2-A04-P

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time and achieves high resistance to noise at the specific frequency range with a built-in coil.



Features

●Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

●Terminal construction

It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

●Scooping (kojiri) preventive construction

Using a shunt ring with a countermeasure for scooping (kojiri), the resistance to scooping (kojiri) insertion and withdrawal is improved.

●Noise suppression

High resistance to noise at the specific frequency range is achieved with a built-in coil.

Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.5 mm²

Note: In principle, only SQW connector as harness-processed product is supplied due to built-in coil.

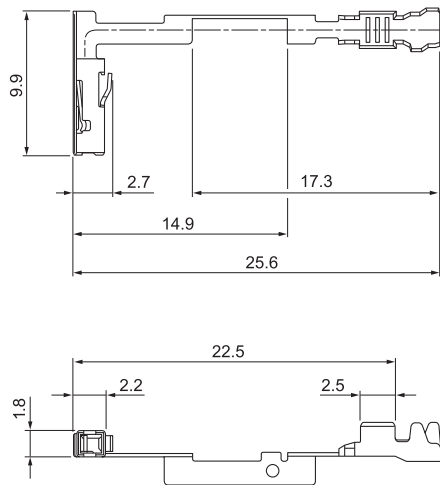
Contact JST for details of available wire harness specification.

* Compliant with ELV/RoHS2.

* Contact JST for details.

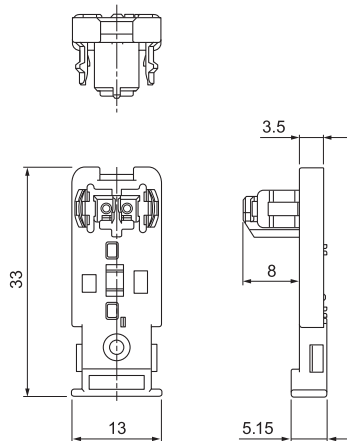
SQW CONNECTOR

Female terminal



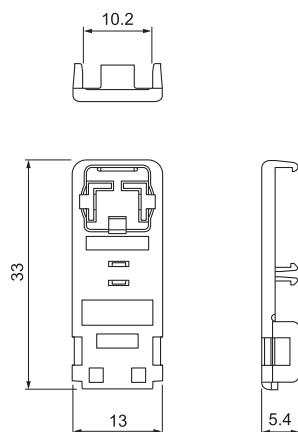
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQW-A03GI-P-P	0.5	1.6	5,000
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated			

Female housing



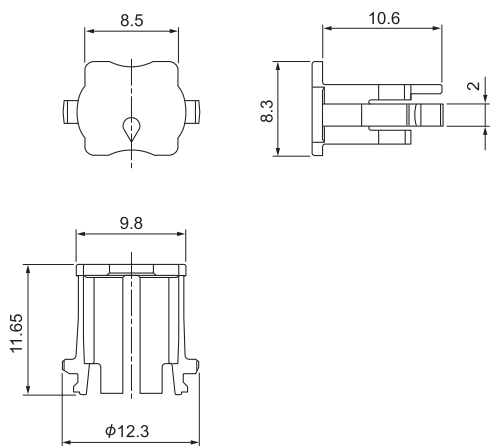
Circuits	Model No.	Q'ty/box	Color
2	SQWR-02H-1A-LP	500	Purple
	SQWR-02H-1B-M	500	Green
	SQWR-02H-1C-D	500	Orange
Material			
PBT			

Cover housing



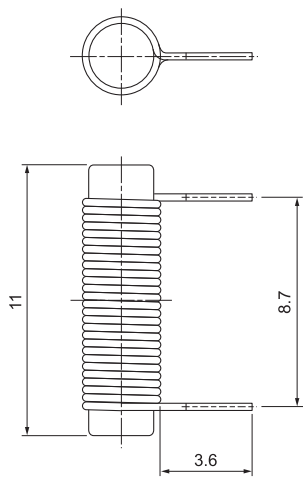
Circuits	Model No.	Q'ty/box	Color
2	SQWL-02H-1-LP B	500	Purple
	SQWL-02H-1-M A	500	Green
Material			
PBT			

CPA housing



Circuits	Model No.	Q'ty/bag	Color
2	SQWC-02H-1A-Y	2,000	Yellow
Material			
Glass-filled PBT			

Coil



Model No.	Q'ty/box
SQWW-02-1A	—



This connector for air-bag is simple, compact and not easy to come off without CPA.

Features

●Compact design

Miniaturized in total length and height compared to the conventional connector for air-bag.

This connector can fix in the outer diameter 20mm or less of an inflator.

●Mating

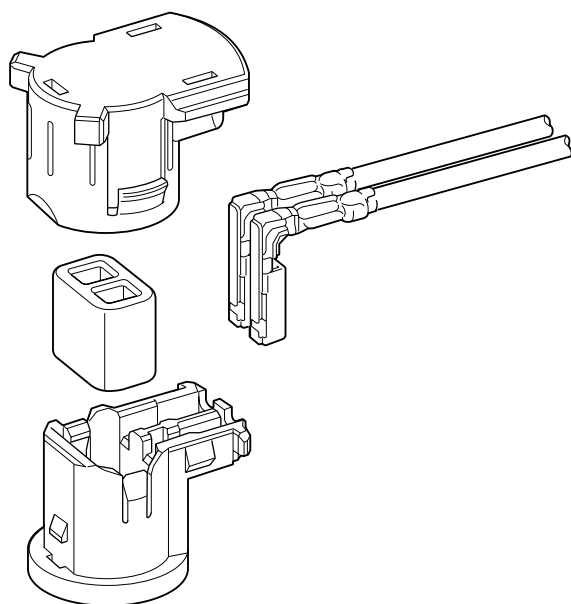
Designed to fix into the fix-in type inflator pocket.

●Terminal construction

It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with a box.

●Noise suppression

Ferrite core provides simple and reliable noise suppression characteristics.

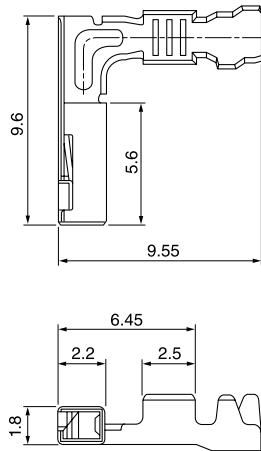


Specifications

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100MΩ min.
- Applicable wire: 0.3mm² to 0.5mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

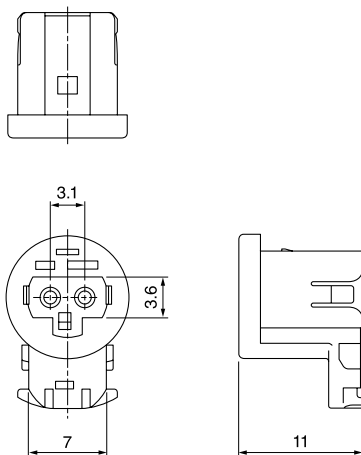


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQF-A03GF-P-P	0.3 to 0.5	1.0 to 1.6	6,500

Material and Finish

Copper alloy, nickel-undercoated, Contact area; gold-plated

Female housing

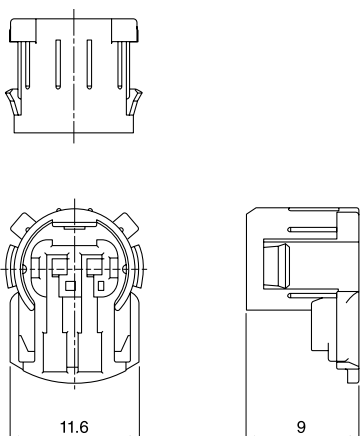


Circuits	Model No.	Q'ty/box	Color
2	SQFR-02H-1A-Y	1,000	Yellow
	SQFR-02H-1B-M	1,000	Green
	SQFR-02H-1C-D	1,000	Orange

Material

PBT

Cover housing

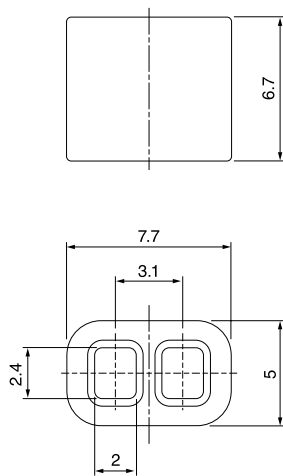


Circuits	Model No.	Q'ty/box	Color
2	SQFL-02H-1A-Y	1,000	Yellow
	SQFL-02H-1B-M	1,000	Green
	SQFL-02H-1C-D	1,000	Orange

Material

PBT

Ferrite



Circuits	Model No.	Q'ty/box
2	SQFF-02-1A	3,000

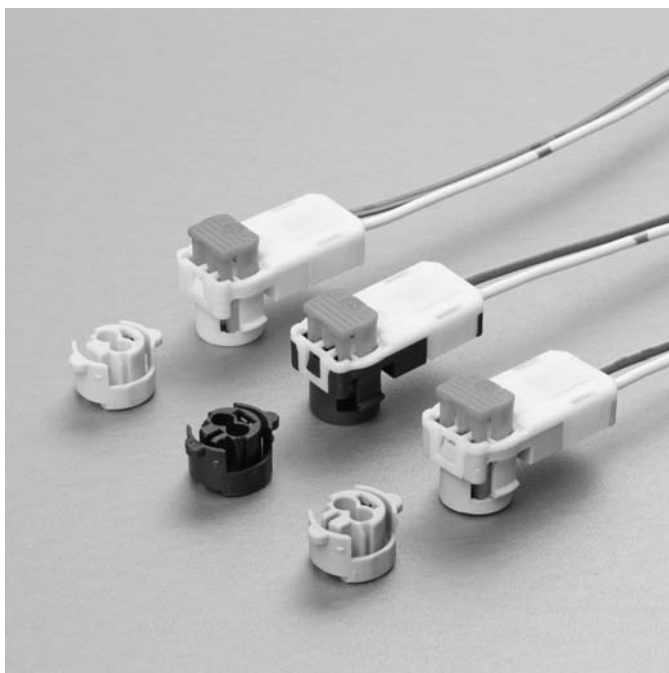
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQF-A03GF-P-P	AP-K2N	MK/SQS-A03-P	APLMK SQS-A03-P

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

SQXW CONNECTOR

Squib connectors



Conforming to ISO 19072-4.

Features

● Inertial Locking

Intelligent CPA enables connector locking, prevent incomplete mating and release of short circuit at the same time.

● Interface and Performance

Mated with retainer designed by ISO 19072-4.
Connector performance satisfies ISO 19072-2.

● Stability of Electrical Connection

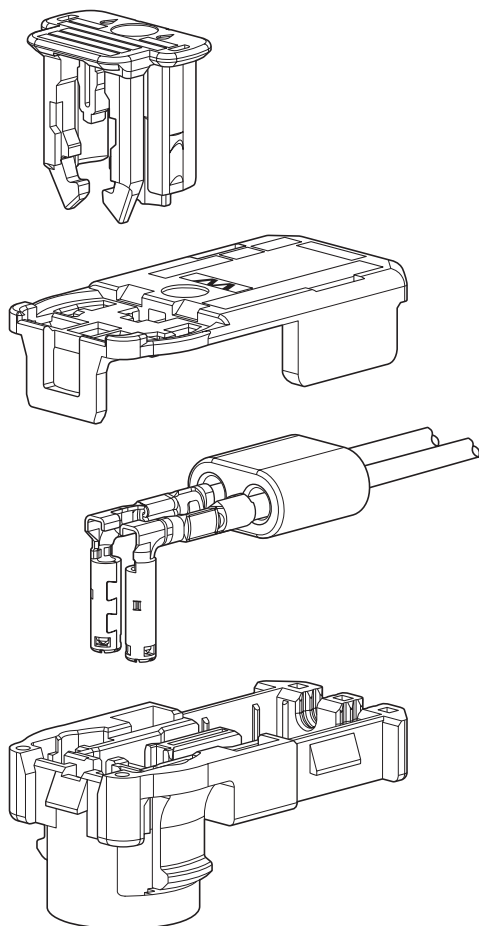
Terminal has three contact points.
Prevent the deformation of contact area by covering ferrule to contact spring.

● Noise Suppression

Ferrite core provides simple and reliable noise suppression characteristics.

● CPA

The upper part of CPA is made as large as possible and the shape which fits fingers well contributes to efficient work.
4mm stroke provides recognition of the CPA position.

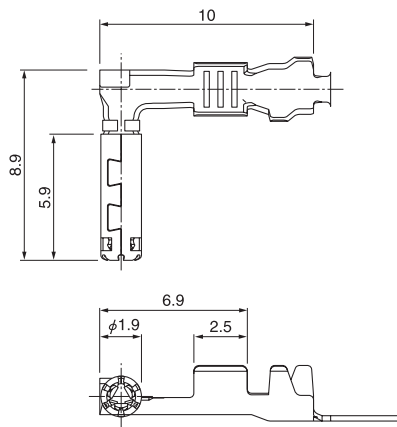


Specifications

- Current rating: 3 A AC, DC max.
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable Wire: AVSS
0.3 mm², 0.5 mm²
FLRY-A
0.35 mm², 0.5 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

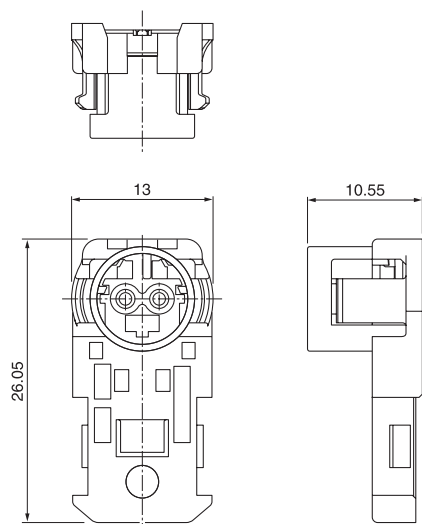


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQSK-A03GJ-P-R	0.3 to 0.5	1.0 to 1.6	5,000
SSQSK-A03GJ-P-L	0.3 to 0.5	1.0 to 1.6	5,000

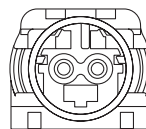
Material and Finish

Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.8μm min.)
Barrel area; tin-plated

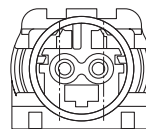
Female housing



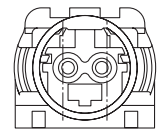
• Keying figure



I code



II code



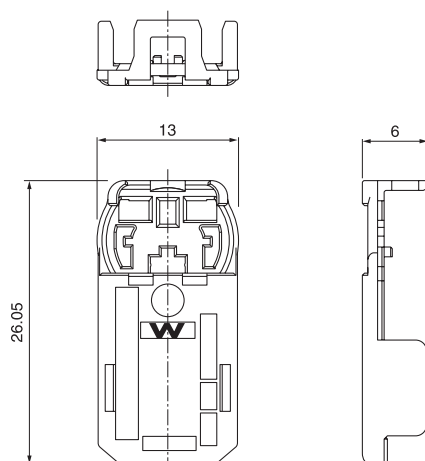
III code

Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQXR-02H-2A-K	I code	500	Black
	SQXR-02H-2B-LM	II code	500	Light green
	SQXR-02H-2C-Y	III code	500	Yellow

Material

Glass-filled PBT

Cover housing



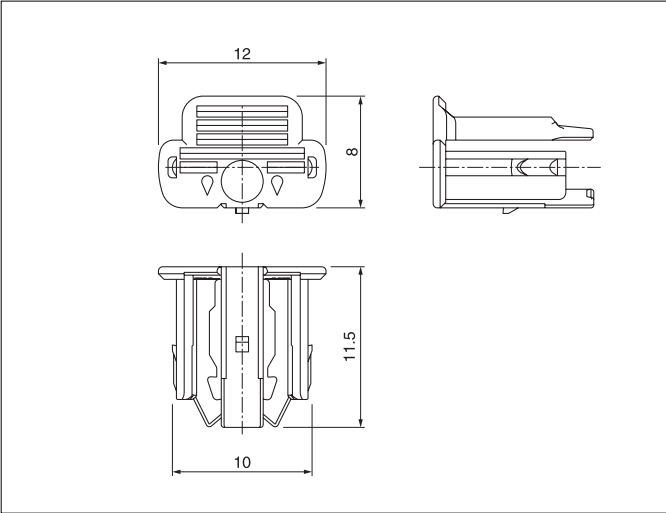
Circuits	Model No.	Q'ty/bag	Color
2	SQXL-02H-1W-Y	500	Yellow

Material

Glass-filled PBT

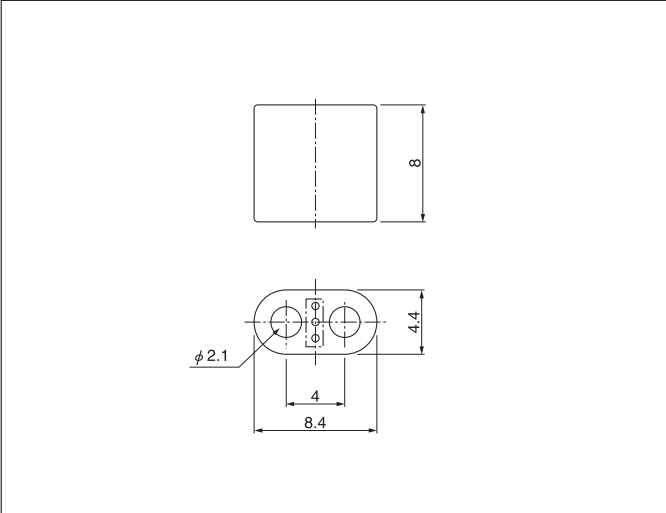
SQXW CONNECTOR

CPA housing



Circuits	Model No.	Q'ty/bag	Color
2	SQXC-02H-1W-D	1,000	Orange
Material			
Glass-filled PBT			

Ferrite

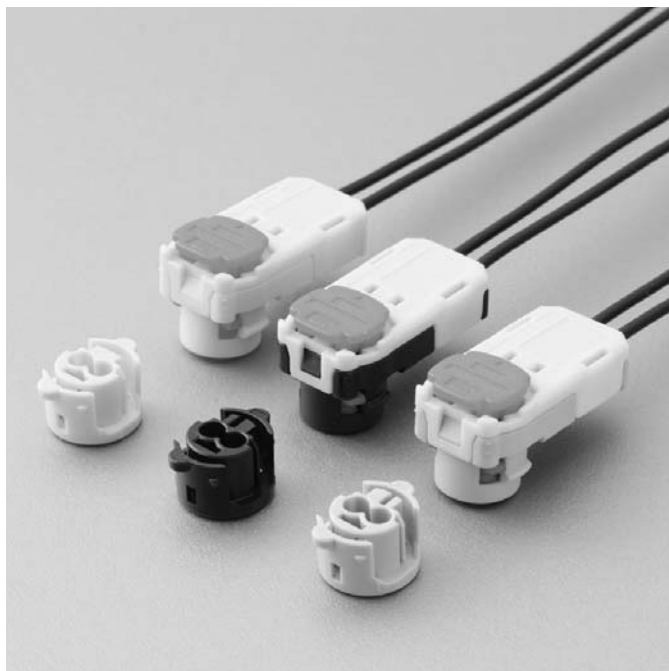


Circuits	Model No.	Q'ty/box
2	SQXF-02-1A	1,000

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQSK-A03GJ-P-R	AP-K2N	MK/SSQSK-A03-P	APLMK SSQSK-A03-P
SSQSK-A03GJ-P-L			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Conforming to ISO19072-4.

Features

●Mating

Intelligent CPA adopted. It enables the connector to be locked securely and prevents incomplete mating on the assembly line resulting in improved connector retention force.

●Terminal construction

The contact structure of three contact points is adopted, and the contact reliability is improved.

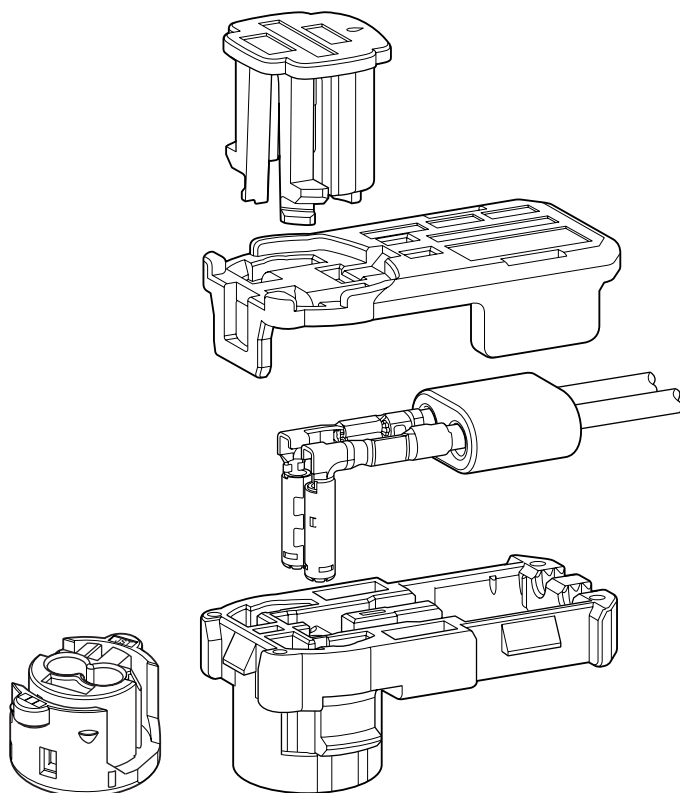
It is designed to prevent the deformation of contact area when processing wire harness by covering ferrule to spring contact area.

●Scooping (kojiri) preventive construction

Using a shunt ring conforming to ISO 19072-4, the resistance to scooping (kojiri) insertion and withdrawal is improved.

●Noise suppression

Ferrite core provides simple and reliable noise suppression characteristics.



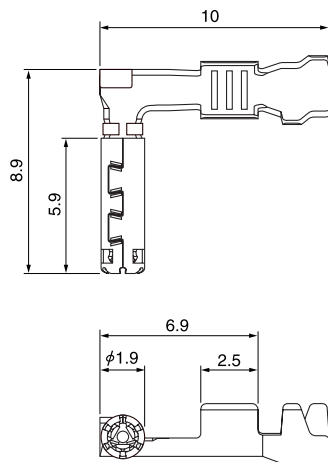
Specifications

- Current rating: 3 A AC, DC max.
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS
0.3 mm², 0.5 mm²
FLRY-A
0.35 mm², 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

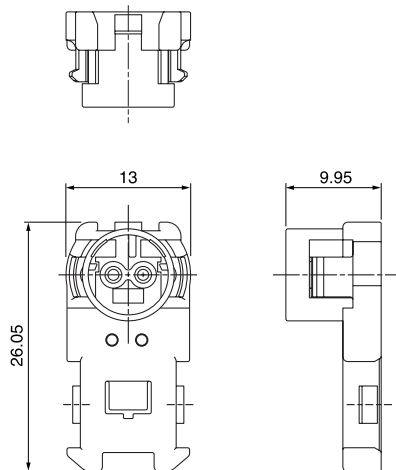
SQSK CONNECTOR

Female terminal

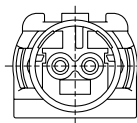


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQSK-A03GJ-P-R	0.3 to 0.5	1.0 to 1.6	5,000
SSQSK-A03GJ-P-L	0.3 to 0.5	1.0 to 1.6	5,000
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated (0.8μm min.) Barrel area; tin-plated			

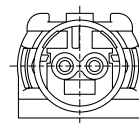
Female housing



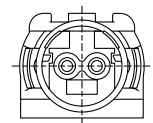
• Keying figure



I code



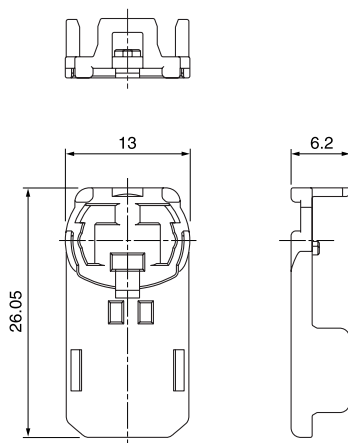
II code



III code

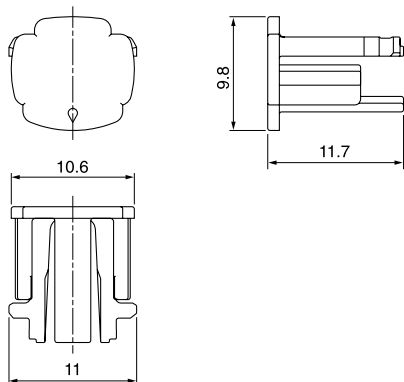
Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQSKR-02H-1A-K	I code	500	Black
	SQSKR-02H-1B-LM	II code	500	Light green
	SQSKR-02H-1C-Y	III code	500	Yellow
Material				
PBT				

Cover housing



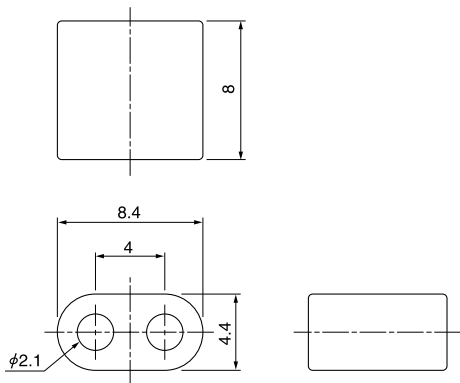
Circuits	Model No.	Q'ty/bag	Color
2	SQSKL-02H-2A-Y	500	Yellow
Material			
PBT			

CPA housing



Circuits	Model No.	Q'ty/bag	Color
2	SQSKC-02H-1A-D	1,000	Orange
Material			
Glass-filled PBT			

Ferrite



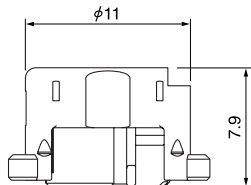
Circuits	Model No.	Q'ty/box
2	SQSF-02-1A	3,000

Crimping machine, Applicator

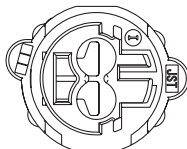
Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQSK-A03GJ-P-R SSQSK-A03GJ-P-L	AP-K2N	MK/SSQSK-A03-P	APLMK SSQSK-A03-P

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

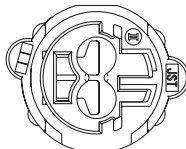
Shunt ring



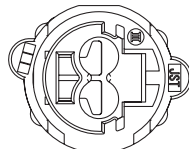
● Keying figure



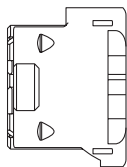
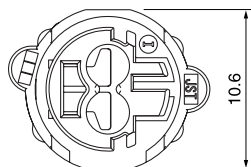
I code



II code

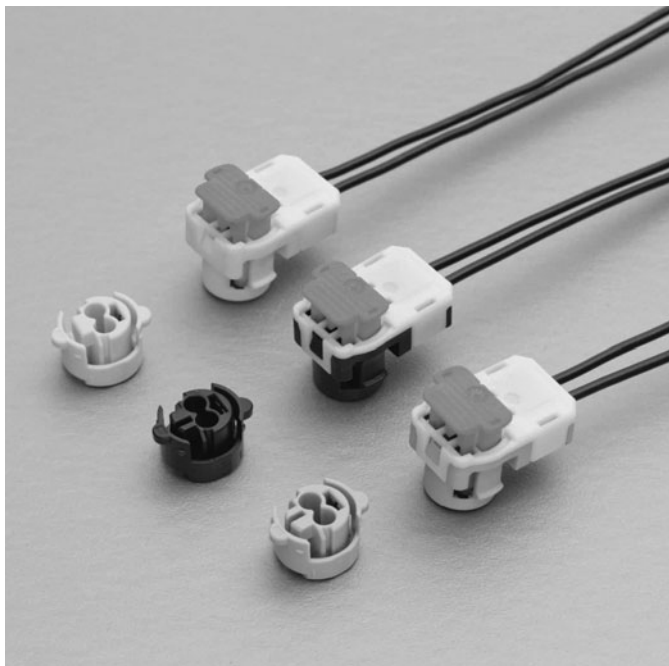


III code



Circuits	Model No.	Keying figure	Q'ty/box	Color
2	02-SQSK-GI-2A-K	I code	3,000	Black
	02-SQSK-GI-2B-LM	II code	3,000	Light green
	02-SQSK-GI-2C-Y	III code	3,000	Yellow
Material and Finish				

Terminal: SUS, nickel-undercoated, Selective gold-plated
Housing: Glass-filled PBT



Conforming to ISO 19072-4.

Features

● Compact Design

Shorter than SQXW connector in total length.

● Inertial Locking

Intelligent CPA enables connector locking, prevent incomplete mating and release of short circuit at the same time.

● Interface and Performance

Mate with retainer designed by ISO 19072-4.

Connector performance satisfies ISO 19072-2.

● Stability of Electrical Connection

Terminal has three contact points.

Prevent the deformation of contact area by covering ferrule to contact spring.

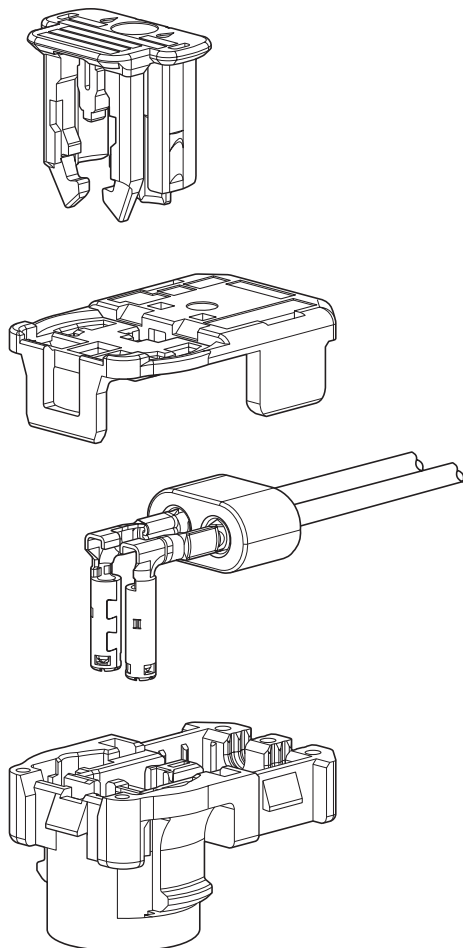
● Noise Suppression

Ferrite core provides simple and reliable noise suppression characteristics.

● CPA

The upper part of CPA is made as large as possible and the shape which fits fingers well contributes to efficient work.

4mm stroke provides recognition of the CPA position.



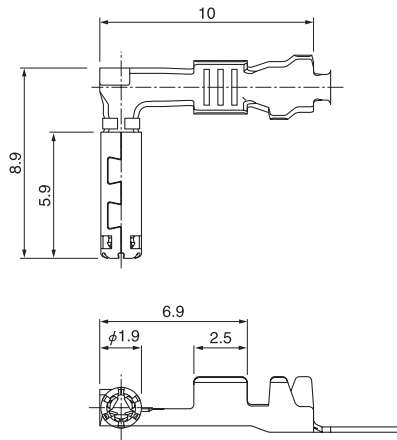
Specifications

- Current rating: 3 A AC, DC max.
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable Wire: AVSS
0.3 mm², 0.5 mm²
FLRY-A
0.35 mm², 0.5 mm²

* Compliant with ELV/RoHS.

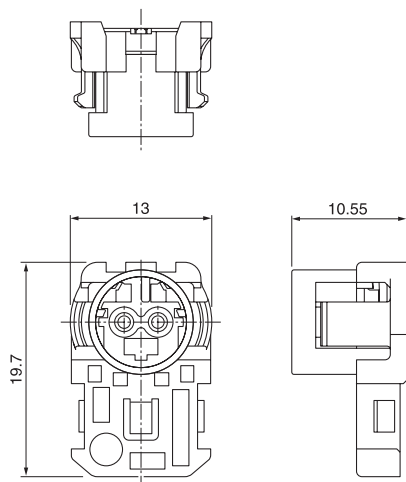
* Contact JST for details.

Female terminal

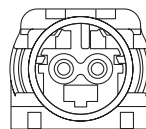


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQSK-A03GJ-P-R	0.3 to 0.5	1.0 to 1.6	5,000
SSQSK-A03GJ-P-L	0.3 to 0.5	1.0 to 1.6	5,000
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated (0.8μm min.) Barrel area; tin-plated			

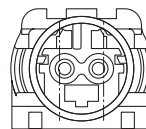
Female housing



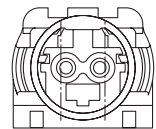
• Keying figure



I code



II code

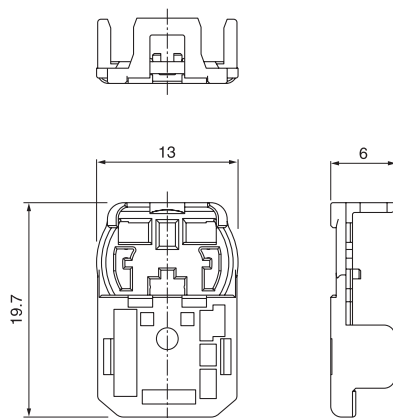


III code

Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQZR-02H-1A-K	I code	Note)	Black
	SQZR-02H-1B-LM	II code		Light green
	SQZR-02H-1C-Y	III code		Yellow
Material				
Glass-filled PBT				

Note: Contact JST for details.

Cover housing

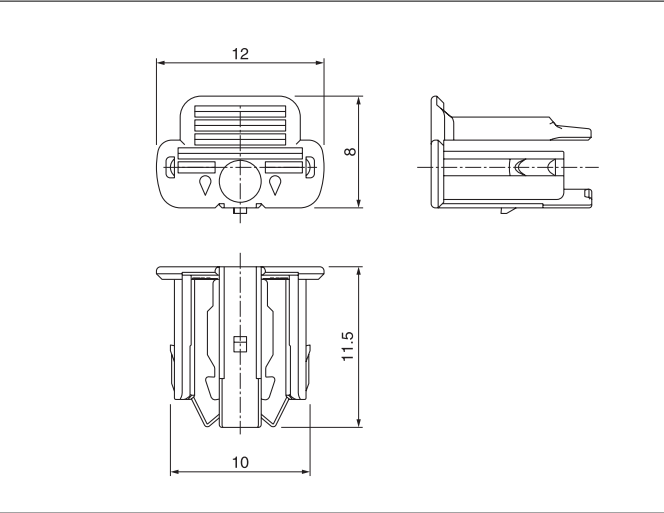


Circuits	Model No.	Q'ty/bag	Color
2	SQZL-02H-1A-Y	Note)	Yellow
Material			
Glass-filled PBT			

Note: Contact JST for details.

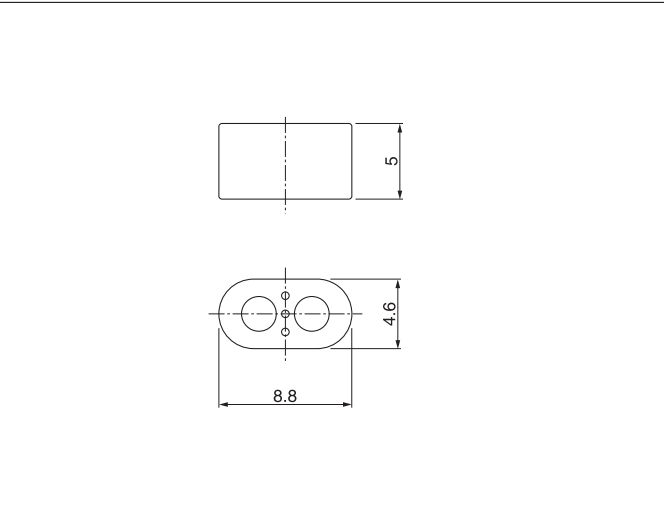
SQZ CONNECTOR

CPA housing



Circuits	Model No.	Q'ty/bag	Color
2	SQXC-02H-1W-D	1,000	Orange
Material			
Glass-filled PBT			

Ferrite



Circuits	Model No.	Q'ty/box
2	SQZF-02-1A	Note)

Note: Contact JST for details.

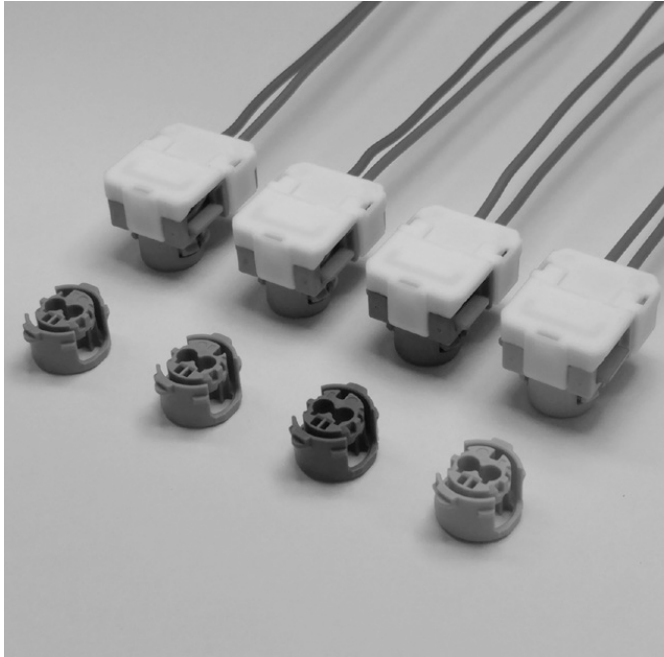
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQSK-A03GJ-P-R	AP-K2N	MK/SSQSK-A03-P	APLMK SSQSK-A03-P
SSQSK-A03GJ-P-L			

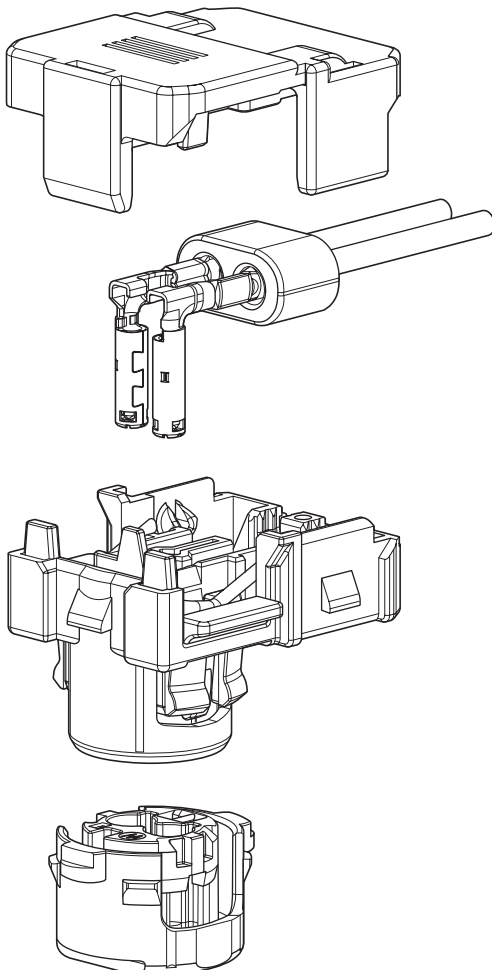
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

SQB CONNECTOR

Squib connectors



Shunt-less Squib Connector.
Connector for air-bag with Go/No-Go system, which allows locking connector and detect incomplete mating.



Features

●Shunt-Less Squib Connector

Mate with retainer without shorting bar.

●Go / No-Go Mating System

Self-rejection system to prevent incomplete mating.

Operation efficiency is improved by audible and tactile feeling of CPA clicking.

●Stability of Electrical Connection

Terminal has three contact points.

Prevent the deformation of contact area by covering ferrule to contact spring.

●Noise Suppression

Ferrite core provides simple and reliable noise suppression characteristics.

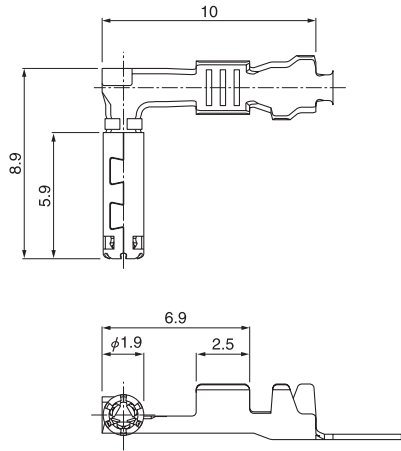
Specifications

- Current rating: 3 A AC, DC max.
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS
0.3 mm², 0.5 mm²
FLRY-A
0.35 mm², 0.5 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

SQB CONNECTOR

Female terminal

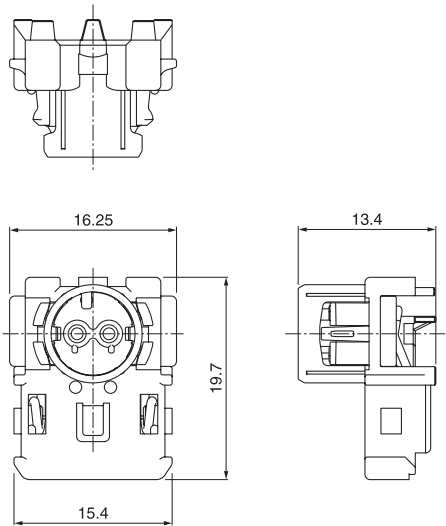


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQSK-A03GJ-P-R	0.3 to 0.5	1.0 to 1.6	5,000
SSQSK-A03GJ-P-L	0.3 to 0.5	1.0 to 1.6	5,000

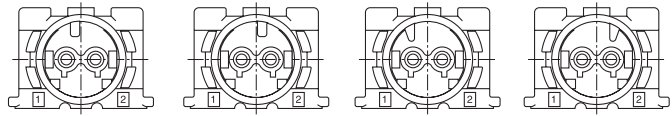
Material and Finish

Copper alloy, nickel-undercoated,
Contact area; gold-plated (0.8µm min.)
Barrel area; tin-plated

Female housing assembly



Keying figure



W code

X code

Y code

Z code

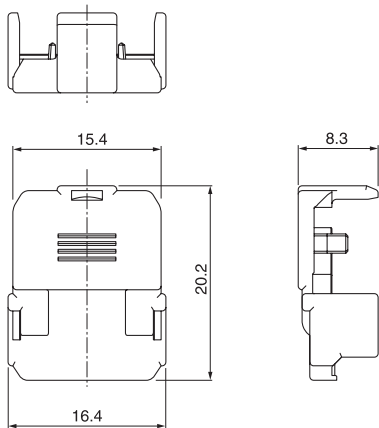
Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQBRB-02-1A-PK	W code	Note)	Pink
	SQBRB-02-1B-DV	X code		Purple
	SQBRB-02-1C-H	Y code		Gray
	SQBRB-02-1D-M	Z code		Green

Material

Female housing; Glass-filled PBT
CPA; Glass-filled PBT, Orange
Spring; SUS

Note: Contact JST for details.

Cover housing



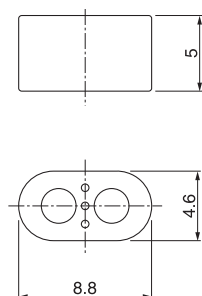
Circuits	Model No.	Q'ty/box	Color
2	SQBL-02H-1A-Y	Note)	Yellow

Material

Glass-filled PBT

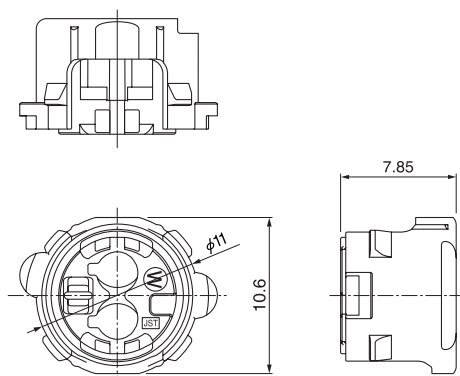
Note: Contact JST for details.

Ferrite

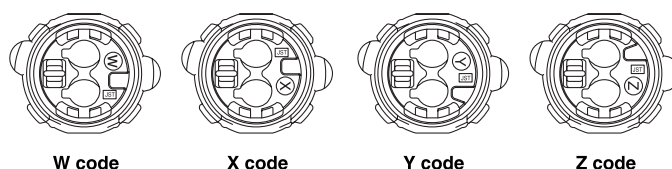


Circuits	Model No.	Q'ty/box
2	SQZF-02-1A	1,500

Retainer



• Keying figure



Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQBP-02H-1A-PK	W code	15,000	Pink
	SQBP-02H-1B-DV	X code		Purple
	SQBP-02H-1C-H	Y code		Gray
	SQBP-02H-1D-M	Z code		Green

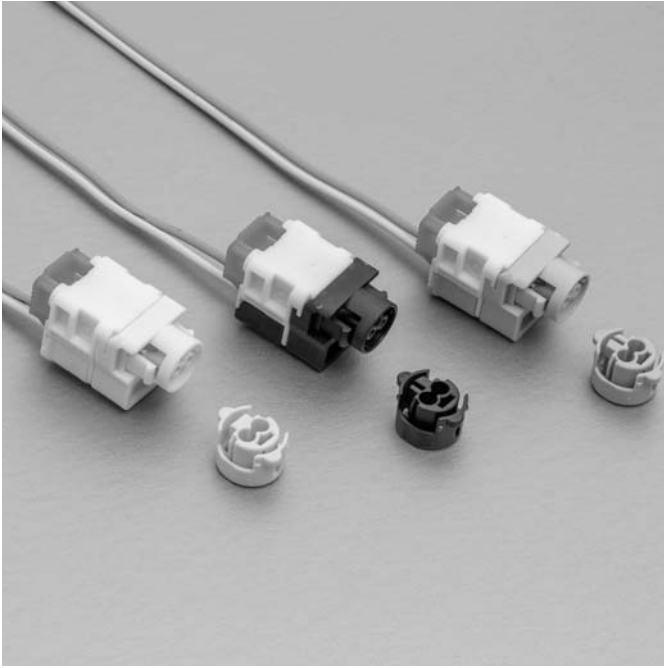
Material

Glass-filled PA 66

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQSK-A03GJ-P-R	AP-K2N	MK/SSQSK-A03-P	APLMK SSQSK-A03-P
SSQSK-A03GJ-P-L			

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



This connector for air-bag, conforming to ISO 19072-4 standard configuration, has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit in the same time.

Features

●Inertial Locking

Intelligent CPA enables connector locking, prevent incomplete mating and release of short circuit in the same time.

●Interface and Performance

Mated with retainer designed by ISO-19072-4 specification. Connector performance fulfills ISO-19072-2 specification.

●Stability of Electrical Connection

Terminal has three contact points.

Terminal contact area is protected by ferrule to prevent any deformation.

●Noise Suppression

Ferrite core provides simple and reliable noise suppression characteristics.

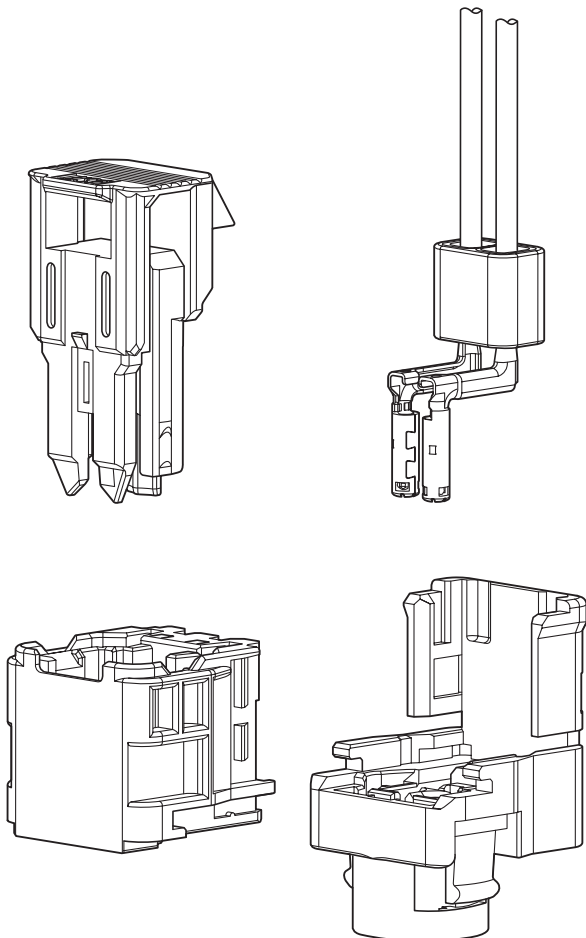
●CPA

The CPA is designed to allow a comfortable locking and avoid the gripping of the connector by another wire.

4 mm stroke provides recognition of the CPA position.

●Delivery

This connector is supplied both components and pigtail.

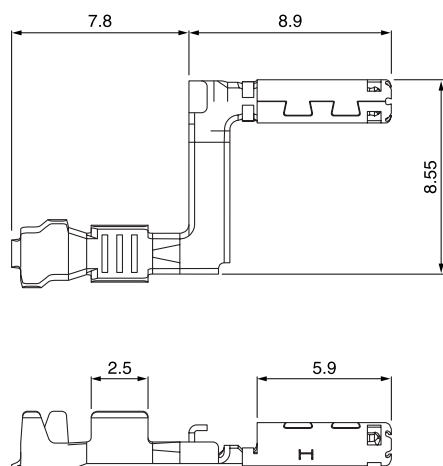


Specifications

- Current rating: 3 A AC,DC max.
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.
- Applicable wire: 0.35 mm² & 0.5 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

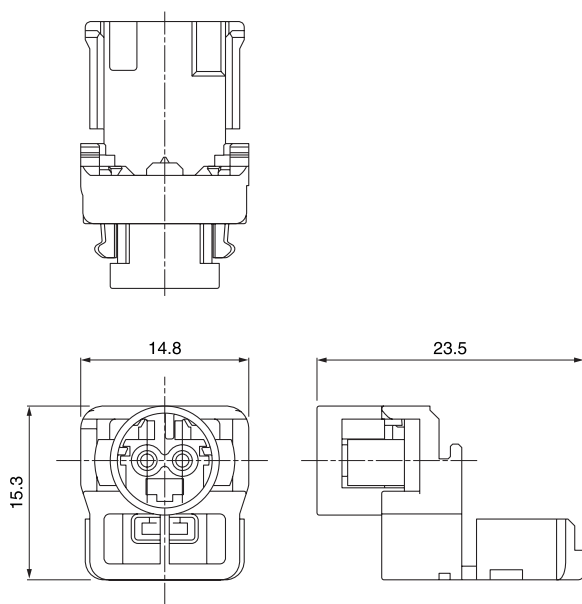


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SSQN-A03GJ-P-L	0.5	1.4 to 1.7	5,000
SSQN-A03GJ-P-R	0.5	1.4 to 1.7	5,000
SSQN-A02GJ-P-L	0.35	1.25 to 1.4	5,000
SSQN-A02GJ-P-R	0.35	1.25 to 1.4	5,000

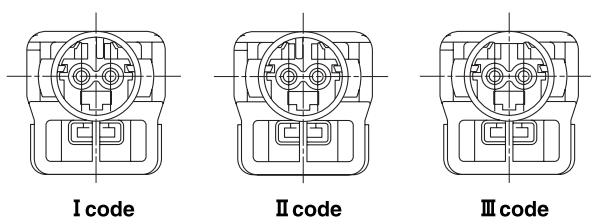
Material and Finish

Copper alloy, nickel-undercoated,
Contact area : gold-plated (0.8 μm min.)
Barrel area : tin-plated

Female housing



• Keying figure



Circuits	Model No.	Keying figure	Q'ty/box	Color
2	SQNR-02H-1A-K	I code	500	Black
	SQNR-02H-1B-LM	II code	500	Light green
	SQNR-02H-1C-Y	III code	500	Yellow

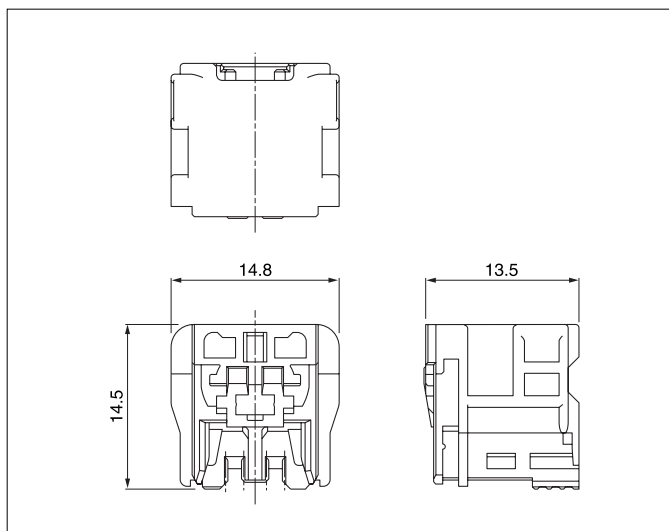
Material and Finish

Glass-filled PBT

Note: Contact JST for details.

SQN CONNECTOR

Cover housing



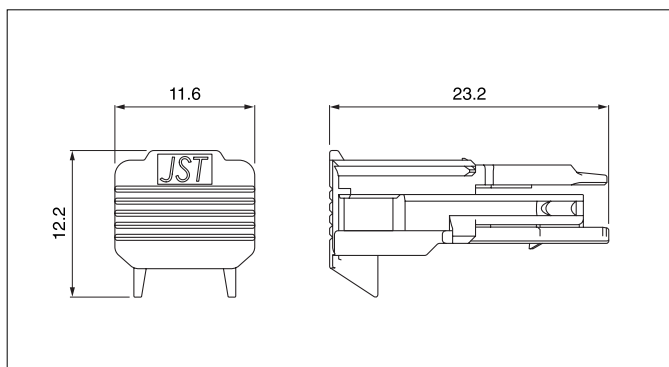
Circuits	Model No.	Wire section applicable	Q'ty/box	Color
2	SQNL-02H-1A-Y	0.5 mm ²	500	Yellow
	SQNL-02H-1D-N	0.35 mm ²	500	Brown

Material and Finish

Glass-filled PBT

Note: Contact JST for details.

CPA housing



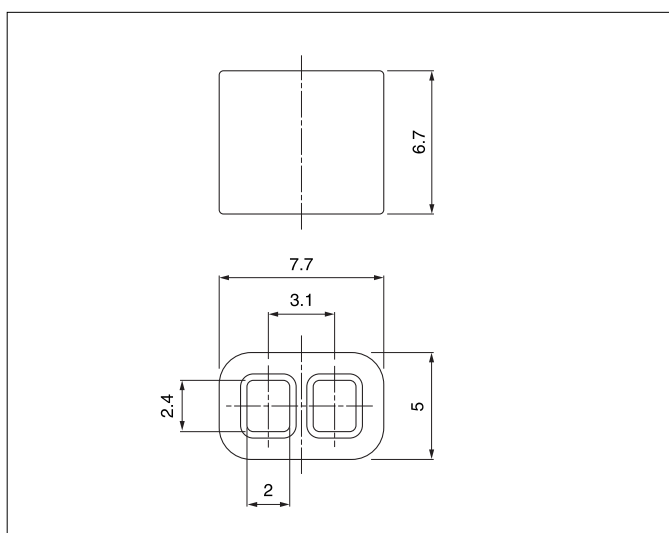
Circuits	Model No.	Q'ty/bag	Color
2	SQNC-02H-1A-D	500	Orange

Material and Finish

Glass-filled PBT

Note: Contact JST for details.

Ferrite



Circuits	Model No.	Q'ty/box
2	SQFF-02-1A	1,000

Note: Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SSQN-A03GJ-P-L	AP-K7	CMK-DP	CDS
SSQN-A03GJ-P-R		SSQNA03-P-L/R-0.50	SSQNA03-P-L/R-0.50/CMJS-L
SSQN-A02GJ-P-L		CMK-DP	CDS
SSQN-A02GJ-P-R		SSQNA03-P-L/R-0.50	SSQNA02-P-L/R-0.35/CMJS-L

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

SHUNT RING

Squib connectors

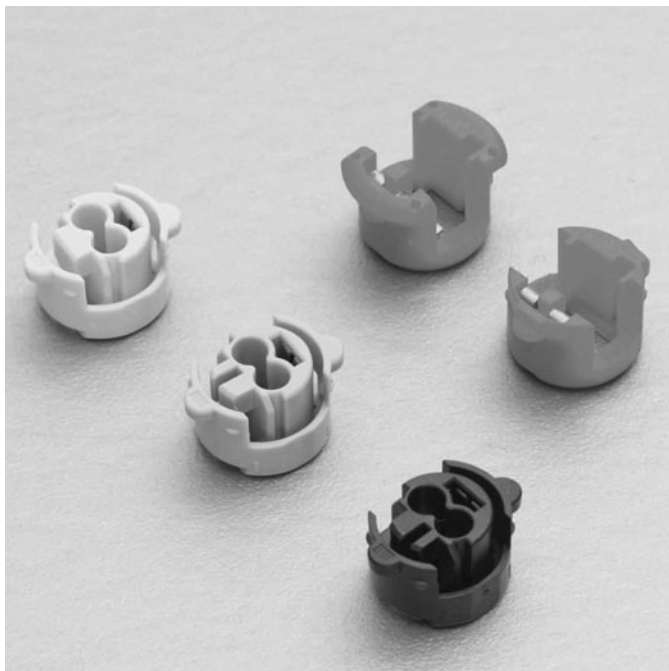
Features

●Scooping (kojiri) preventive construction

Using a shunt ring with a mating harness connector, the resistance to scooping (kojiri) insertion and withdrawal on the assembly line is improved.

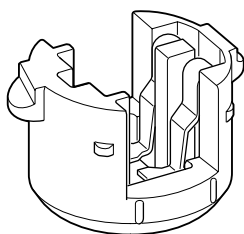
●Variation

Colors and keying codes are set up according to the standard.

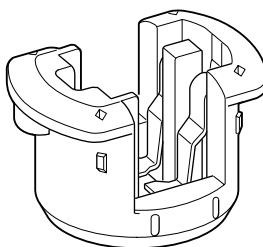


Connector for an inflator.

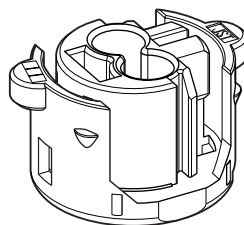
● AK-1 type



● Anti-scooping (kojiri) type



● AK-2 type



Specifications

<AK-1 type, Anti-scooping (kojiri) type>

- Temperature range: -30°C to +80°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.

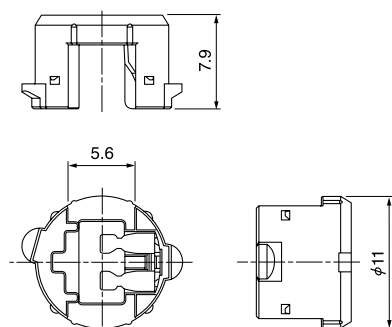
<AK-2 type>

- Temperature range: -30°C to +85°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 MΩ min.

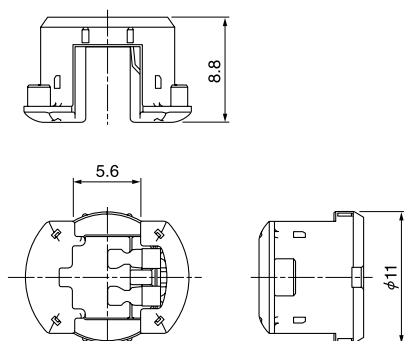
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Shunt ring

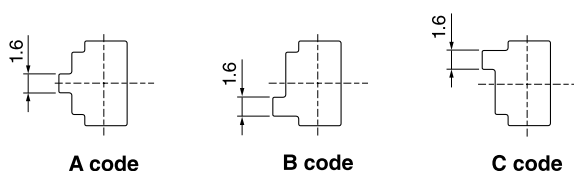
● AK-1 type



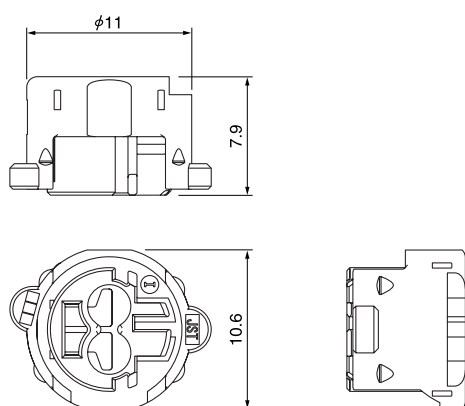
● Anti-scooping (kojiri) type



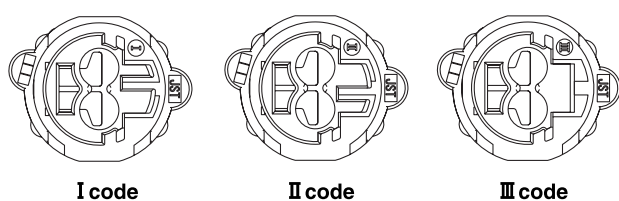
● Keying figure



● AK-2 type



● Keying figure



Type	Keying figure	Model No.	Q'ty/box	Color
AK-1 type	A code	02-SQS-GF-2A-K	10,000	Black
		02-SQS-GF-2A-R	10,000	Red
		02-SQS-GF-2A-E	10,000	Blue
		02-SQS-GF-2A-Y	10,000	Yellow
		02-SQS-GF-2A-LP	10,000	Light purple
	B code	02-SQS-GF-2B-M	10,000	Green
		02-SQS-GF-2B-H	10,000	Gray
	C code	02-SQS-GF-2C-MK	10,000	Mikan
		02-SQS-GF-2C-P	10,000	Purple
Anti-scooping (kojiri) type	A code	02-SQS-GF-1A-K	3,000	Black
		02-SQS-GF-1A-Y	3,000	Yellow
		02-SQS-GF-1A-LP	3,000	Light purple
		02-SQS-GF-1A-N	3,000	Brown
		02-SQS-GF-1A-E	3,000	Blue
	B code	02-SQS-GF-1B-M	3,000	Green
	C code	02-SQS-GF-1C-D	3,000	Orange

Material and Finish

Terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated
Housing: Glass-filled PBT

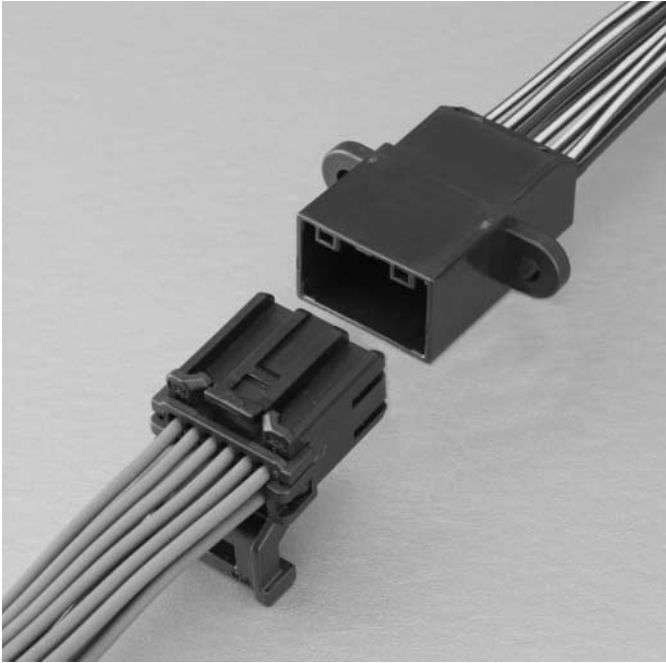
Type	Keying figure	Model No.	Q'ty/box	Color
AK-2 type	I code	02-SQSK-GI-2A-K	3,000	Black
	II code	02-SQSK-GI-2B-LM	3,000	Light green
	III code	02-SQSK-GI-2C-Y	3,000	Yellow

Material and Finish

Terminal: SUS, nickel-undercoated, Selective gold-plated
Housing: Glass-filled PBT

ARV CONNECTOR

Wire-to-wire



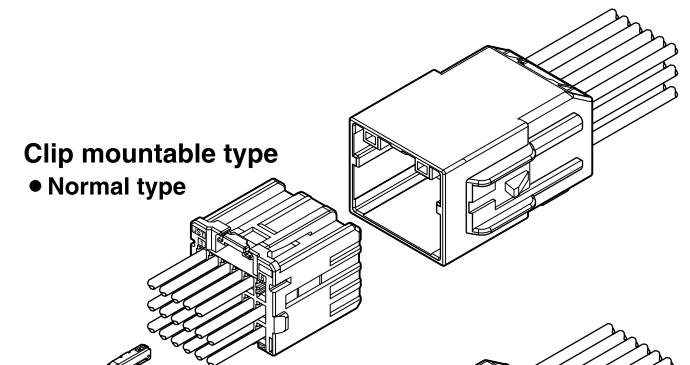
0.64 Unsealed wire-to-wire connection system for unsealed applications, requiring Automotive durability.

Features

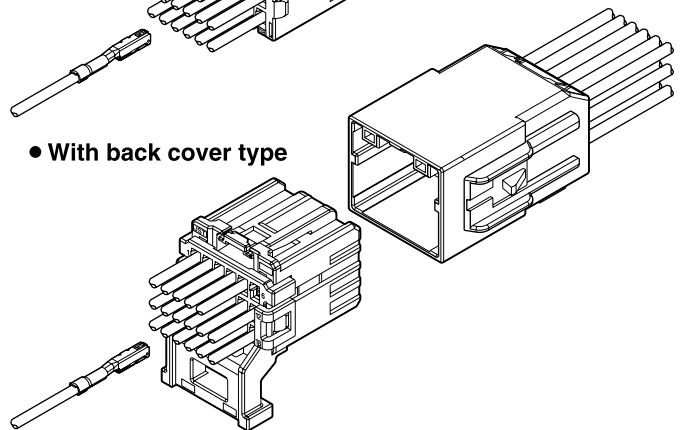
- 12 Circuits, 18 Circuits and 22 Circuits Wire-to-Wire Connection
- Optional Wire Routing Attachment (to optimize packaging space)
- Versatile Mounting Options
- Latch Overstress Feature
- Both Female and Male Connectors utilize Independent Secondary Lock for Terminal retention

Clip mountable type

- Normal type

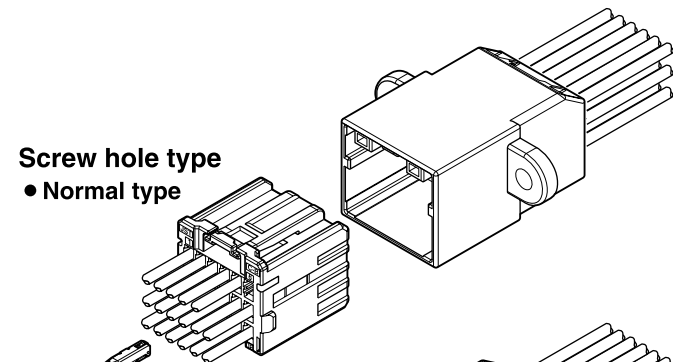


- With back cover type

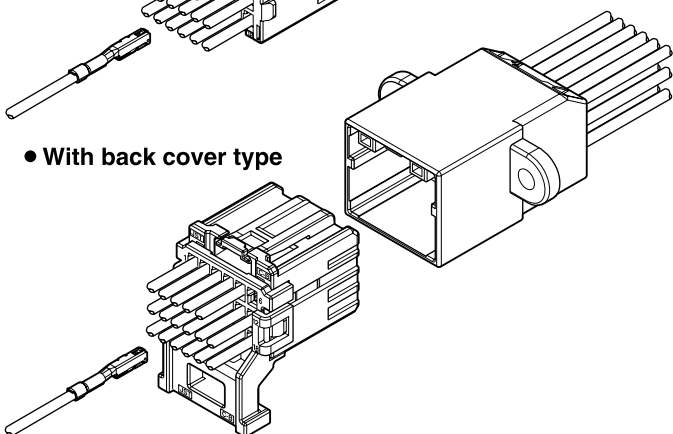


Screw hole type

- Normal type



- With back cover type

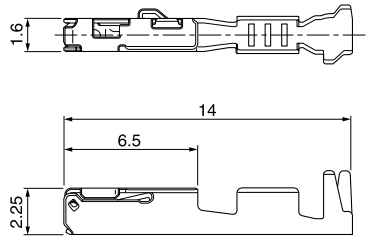


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable Wire: TXL/ ISO 0.35 mm² to 0.75 mm²
O.D. ≤ 1.9 mm (AWG #22 to #18)
(Female Terminal)
ISO 0.35 mm² to 0.5 mm²
O.D. ≤ 1.7 mm (AWG #22 to #20)
(Male Terminal)

- * Compliant with ELV/RoHS.
- * Contact JST for details.

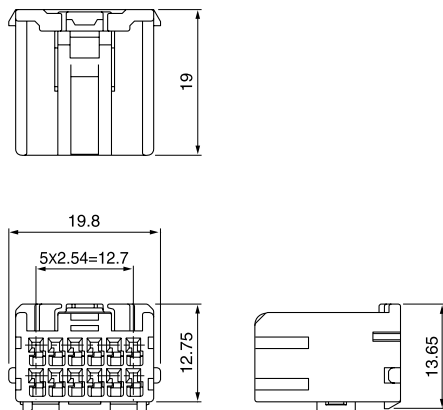
Female terminal



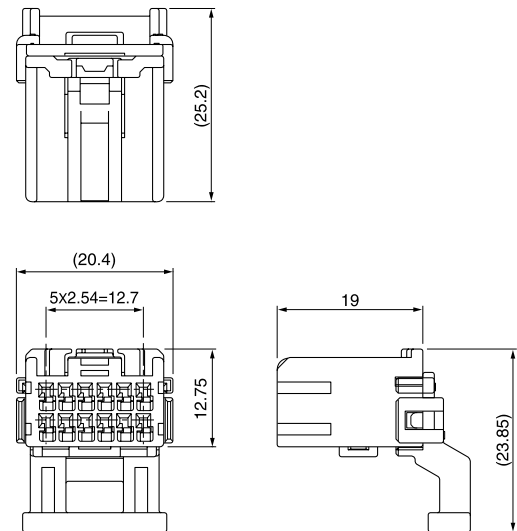
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SAIT-A03T-M064	0.35 to 0.5	≤1.9	6,500
SAIT-A02T-M064	0.75	≤1.9	6,500
Material and Finish			
Copper alloy, tin-plated (reflow treatment)			

Female connector

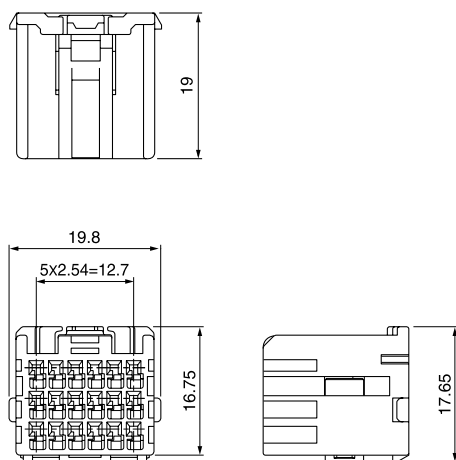
• 12 circuits



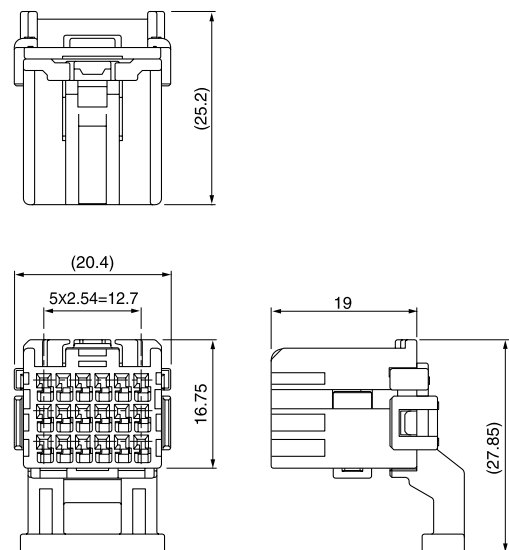
• 12 circuits (With back cover)



• 18 circuits



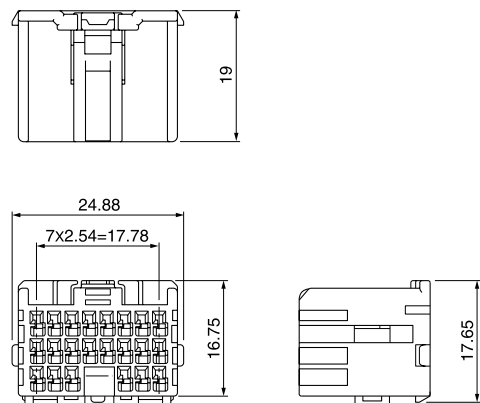
• 18 circuits (With back cover)



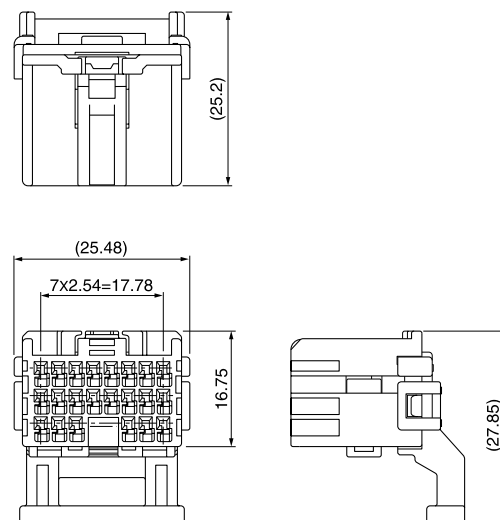
ARV CONNECTOR

Female connector

• 22 circuits



• 22 circuits (With back cover)

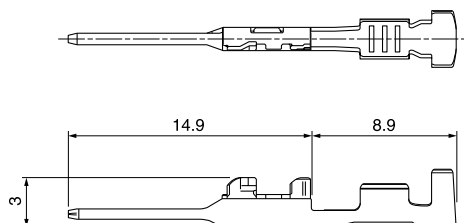


Circuits	Model No.	Back Cover	Q'ty/box
12	ARVPB-12-2AK	No	1,500
	ARVPB-12C12-2AK	Yes	1,500
18	ARVPB-18-3AK	No	1,000
	ARVPB-18C18-3AK	Yes	1,000
22	ARVPB-22-3AK	No	600
	ARVPB-22C22-3AK	Yes	500

Material and Finish

Housing: PBT, Black
 TPA: Glass-filled PBT, Natural (White)
 Back cover: Glass-filled PBT, Black

Male terminal



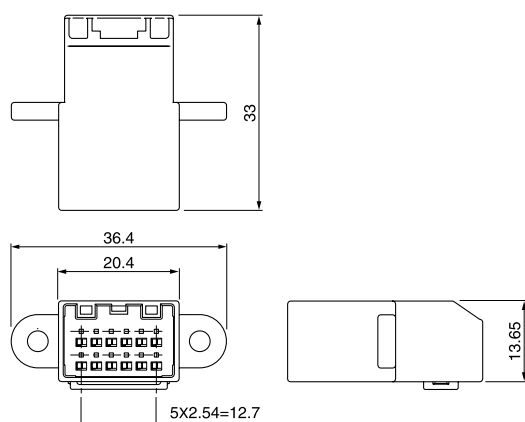
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SNAC3W-A021T-0.64	0.35 to 0.5	≤1.7	7,000

Material and Finish

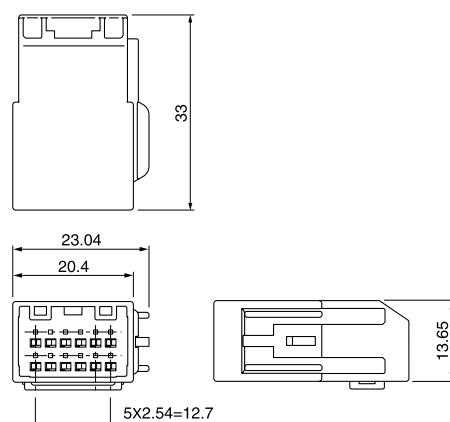
Brass, tin-plated (reflow treatment)

Male connector

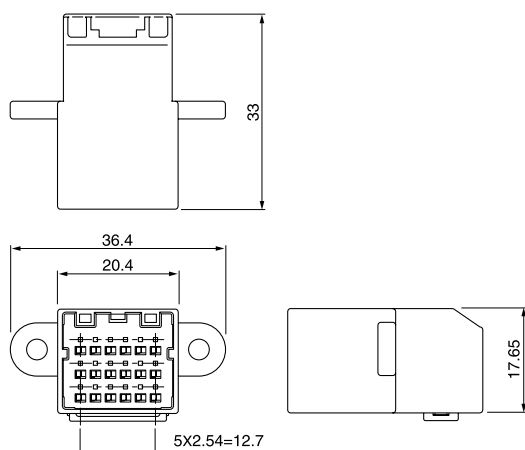
• 12 circuits (Screw hole Mountable Type)



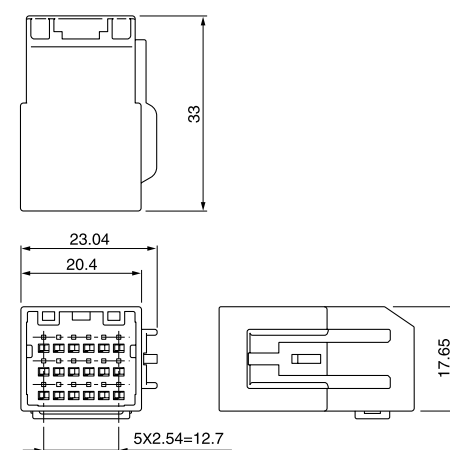
• 12 circuits (Clip Mountable Type)



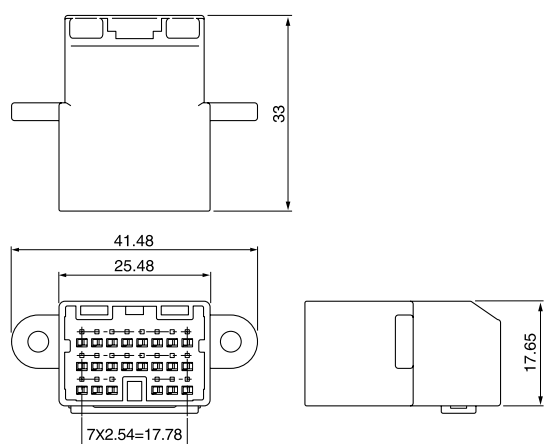
• 18 circuits (Screw hole Mountable Type)



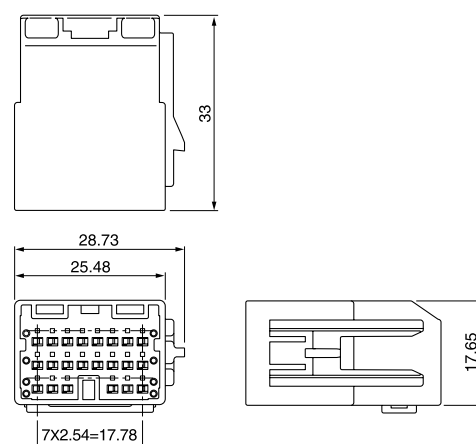
• 18 circuits (Clip Mountable Type)



• 22 circuits (Screw hole Mountable Type)



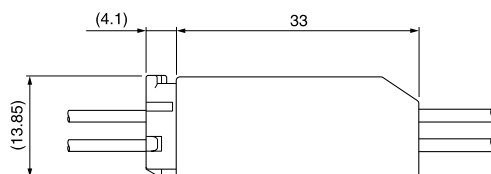
• 22 circuits (Clip Mountable Type)



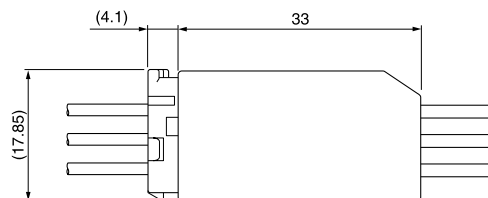
Circuits	Model No.	Mountable Style	Q'ty/box
12	ARVWSB-12B-2AK	Screw hole	1,000
	ARVWSB-12BC-2AK	Clip	1,000
18	ARVWSB-18-3AK	Screw hole	750
	ARVWSB-18C-3AK	Clip	750
22	ARVWSB-22-3AK	Screw hole	450
	ARVWSB-22C-3AK	Clip	450
Material and Finish			
Housing: Glass-filled PBT, Black			
PBT, Black (22P only)			
TPA: Glass-filled PBT, Natural (White)			

Assembly layout

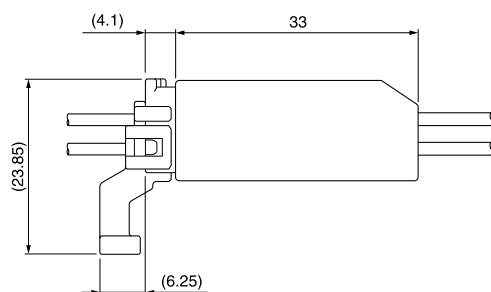
• 12 circuits



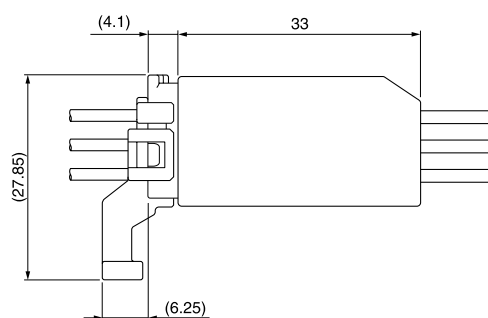
• 18, 22 circuits



• 12 circuits (With back cover)



• 18, 22 circuits (With back cover)



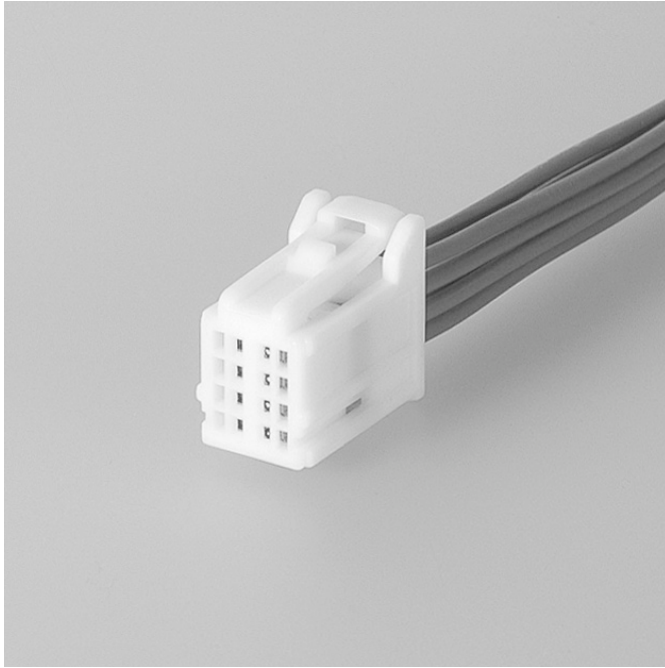
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064
SNAC3W-A021()-0.64		MK/SNAC3W-A021-064	APLMK SNAC3W-A021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

NAC-I CONNECTOR

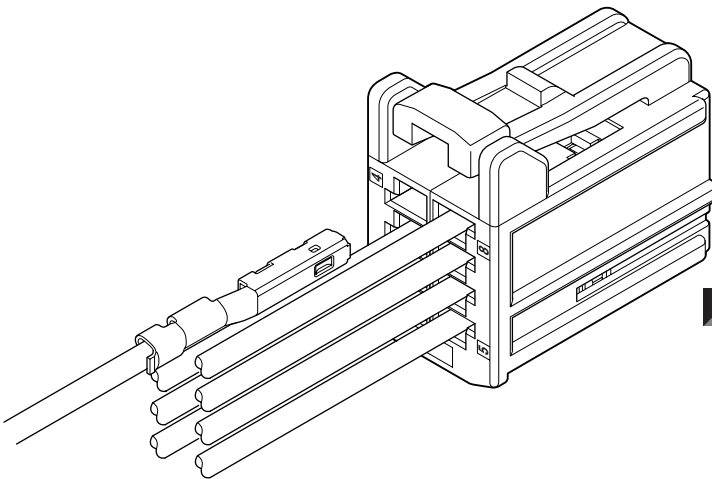
Wire-to-wire



Low profile dual row connector compliant with the USCAR performance specifications.
For general automotive applications.

Features

- Compact Design, Independent Secondary Lock (Terminal Position Assurance)
- Accept 0.64 to 1.2mm Blade
- 2X4 Circuit Design

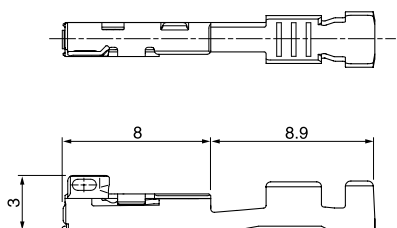


Specifications

- Current rating: 5A DC max.
- Voltage rating: 14V DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/20mΩ max.
After environmental testing/20mΩ max.
- Insulation resistance: 20MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS
0.3mm² to 0.5mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

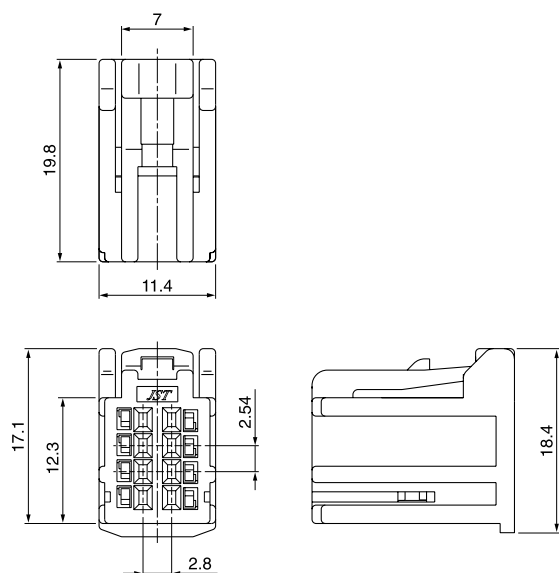


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SNAC-A03T-M040	0.3 to 0.5	≤1.9	5,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Female housing

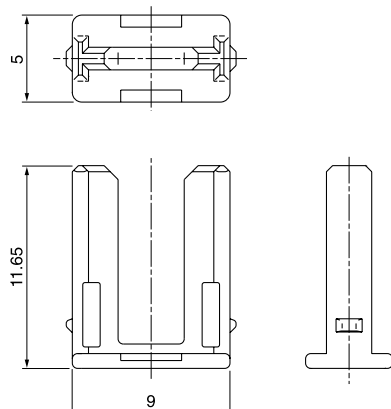


Circuits	Model No.	Q'ty/box
8	NACP-08-S	2,000

Material

PBT, natural (white)

Female retainer



Circuits	Model No.	Q'ty/box
8	NACS-08-E	2,000

Material

PBT, blue

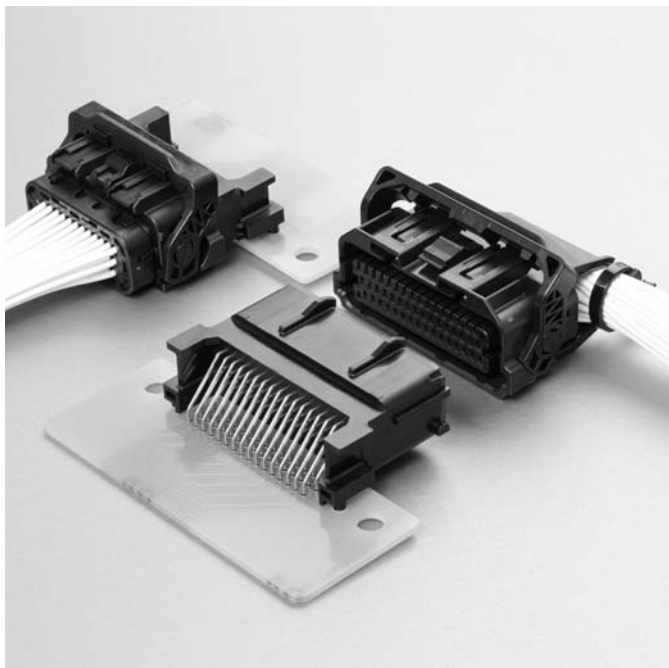
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNAC-A03T-M040	AP-K2N	MK/SNAC-A03-040	APLMK SNAC-A03-040

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

ZROCONNECTOR

Board-to-wire/Sealed connector



This connector is an interface connector, 48 and 36 circuits sealed and lever type.

Features

●Improvement of Operability

The lever is adopted to decrease the connector mating force. The fixing part to PC board is snap fit configuration in consideration of the workability when assembling.

●Sealed

Mat seal is adopted for improving the workability of wire seal part.

●Durability

Heat resistant specification corresponding to 120°C.

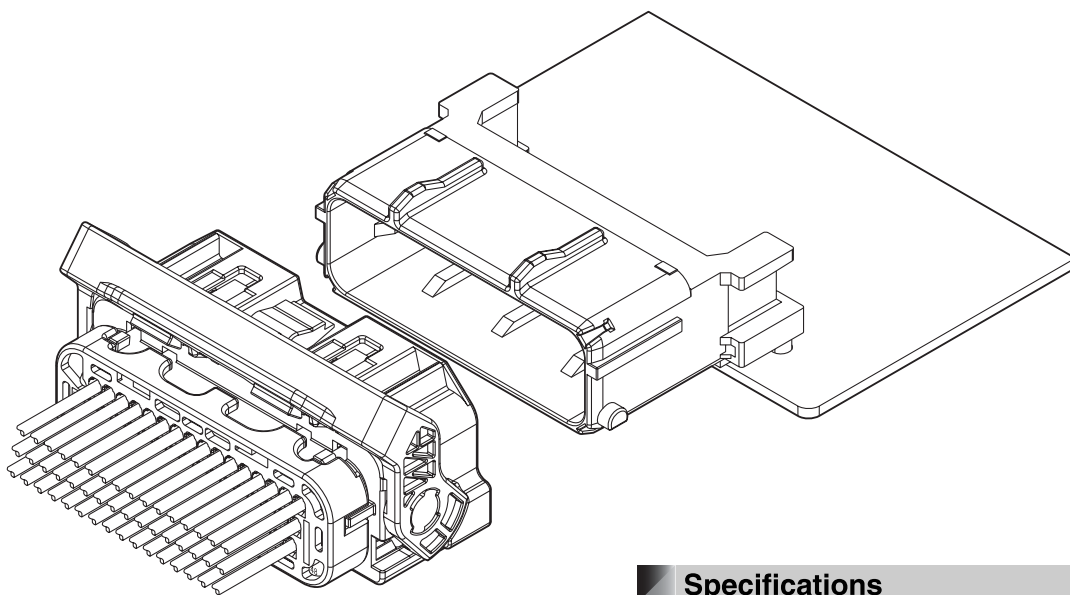
●Reduced waste structure

Low cost and low resources are realized by abolishing use of the wire rod pin and the alignment board.

●Variations

This connector is available in two kinds of keying codes. If the harness cover of an option is used, the harness can be taken out from the side.

Circuits: Lineup of 48 and 36 circuits.

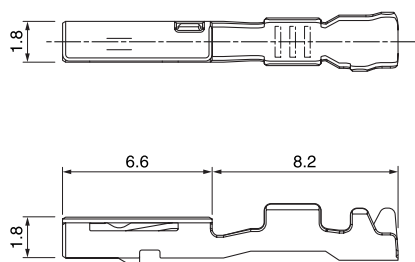


Specifications

- Current rating: Power/ 7 A DC
Signal/ 5 A DC
- Voltage rating: 50 V DC
- Temperature range: -40°C to +120°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS 0.3 mm² to 0.85 mm²
AESSX-f 0.3 mm² to 0.75 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



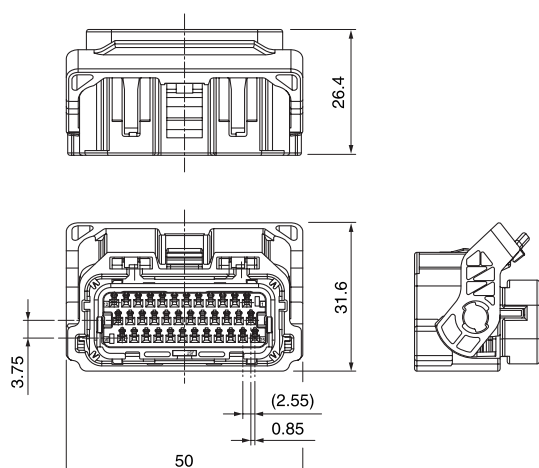
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SZRO-A021T-M0.64	0.3 to 0.5	1.4 to 1.7	7,500
SZRO-A031T-M0.64	0.75 to 0.85	1.8 to 1.9	7,000

Material and Finish

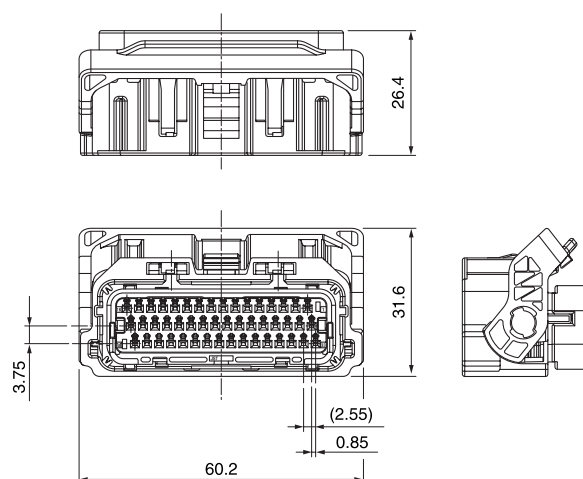
Copper alloy, tin-plated (reflow treatment)

Female connector

• 36 circuits



• 48 circuits



Circuits	Model No.	Key Code	Applicable wire range (mm ²)	Q'ty/box	Housing Color	Wire seal Color
36	36ZRO-B-1A	A	0.5 to 0.85	512	Black	Brown
	36ZRO-B-2A	A	0.3 to 0.85 (Note)	512	Black	Red
	36ZRO-B-2B	B	0.3 to 0.85 (Note)	512	Gray	Red
48	48ZRO-B-1A	A	0.5 to 0.85	384	Black	Brown
	48ZRO-B-1B	B	0.5 to 0.85	384	Gray	Brown
	48ZRO-B-2A	A	0.3 to 0.85 (Note)	384	Black	Red
	48ZRO-B-2B	B	0.3 to 0.85 (Note)	384	Gray	Red

Material and Finish

Housing: Glass-filled PBT

Seal: Silicone

Lever: POM

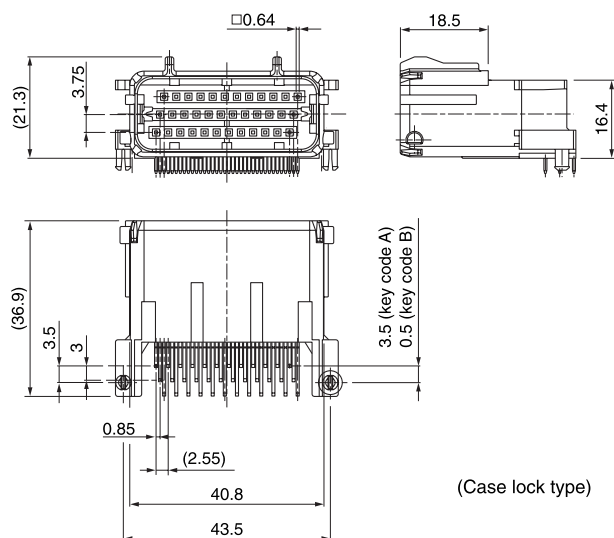
Note: There is a limit to an arrangement and number of wires when 0.75 mm² and 0.85 mm² wires applied. Refer to the drawing or contact JST for details.

ZRO CONNECTOR

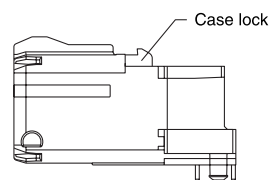
Male connector

● 36 circuits

(Normal type)

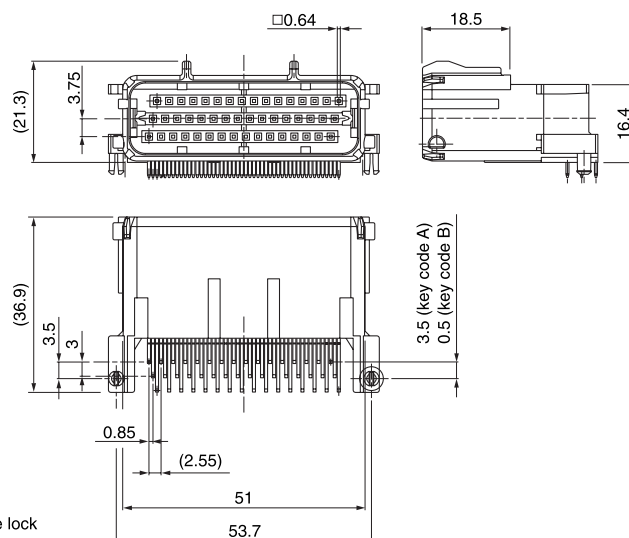


(Case lock type)



● 48 circuits

(Normal type)



Type	Circuits	Model No.	Key Code	Q'ty/box	Housing Color
Normal	36	S36B-ZROK-2A-R	A	240	Black
		S36B-ZROH-2B-R	B		Gray
	48	S48B-ZROK-2A-R	A	192	Black
		S48B-ZROH-2B-R	B		Gray
Case lock	36	S36B-ZROK-3A-R	A	240	Black
		S36B-ZROH-3B-R	B		Gray
	48	S48B-ZROK-3A-R	A	192	Black
		S48B-ZROH-3B-R	B		Gray

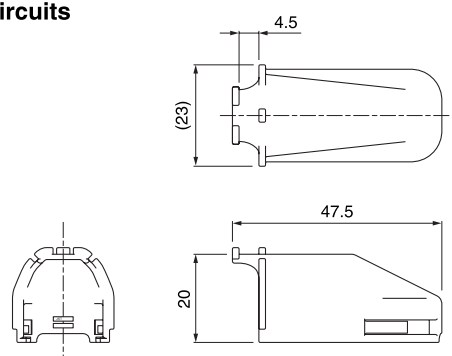
Material and Finish

Housing: Glass-filled PBT

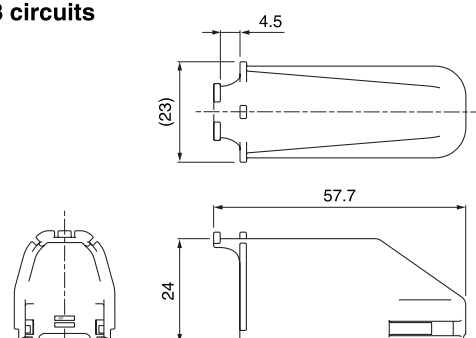
Pin: Brass, tin-plated (reflow treatment)

Harness cover

● 36 circuits



● 48 circuits

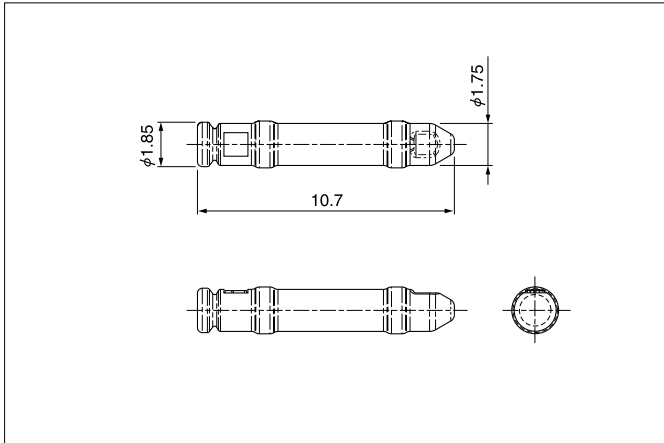


Circuits	Model No.	Q'ty/box	Housing Color
36	ZROHC-36H-K-1	900	Black
48	ZROHC-48H-K-1	600	Black

Material and Finish

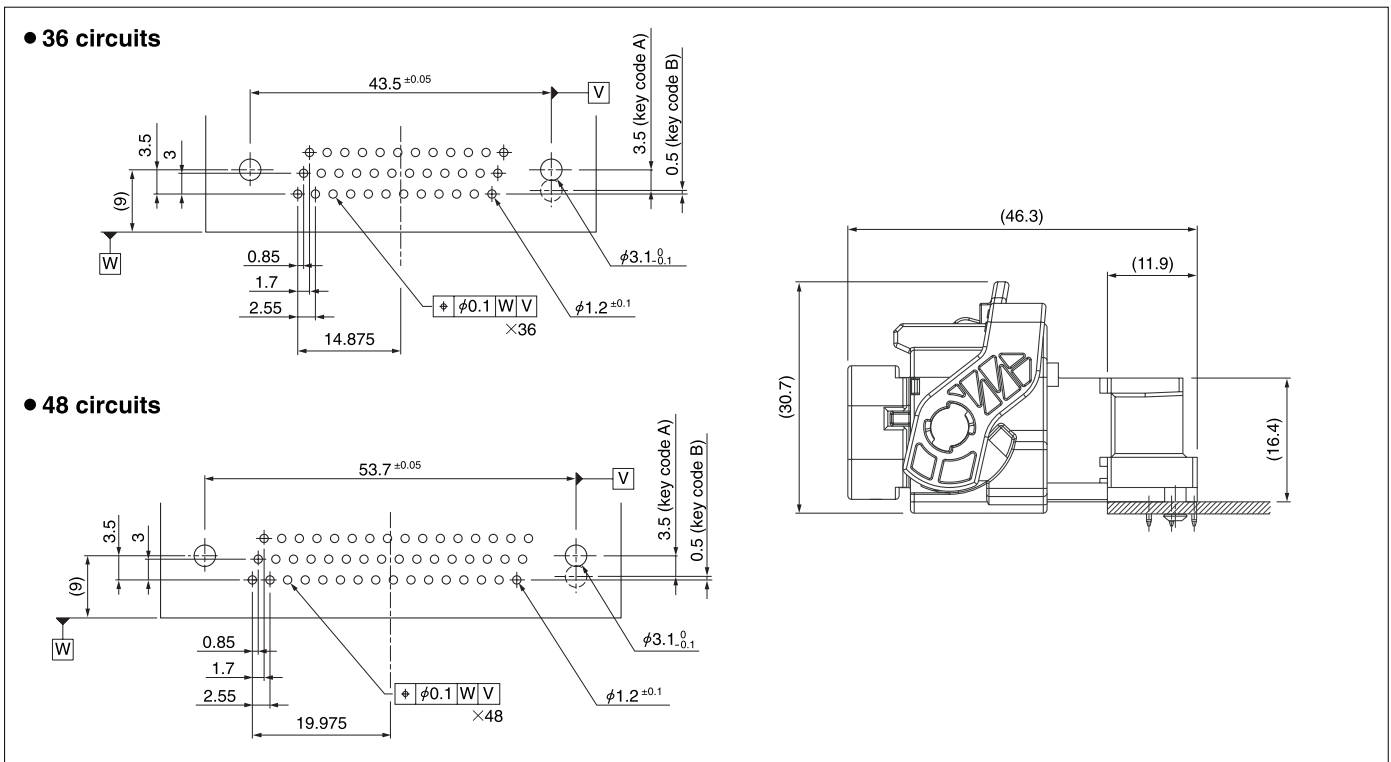
PBT

Dummy plug



Model No.	Q'ty/box
WPHDP-H-1A-H	7,000
Material and Finish	
PBT, Gray	

PC board layout, Assembly layout



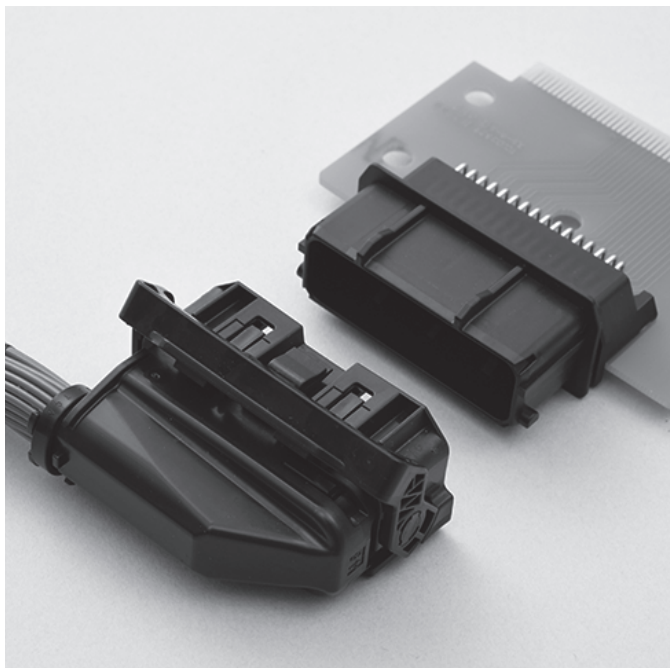
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SZRO-A021T-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064
SZRO-A031T-M0.64		MK/SZRO-A031-064	APLMK SZRO-A031-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

TCUD_{CONNECTOR}

Board-to-wire



Features

●Lower profile

The height from PC board is lower than ZRO connector.

●Improvement of Operability

The lever is adopted to decrease the connector mating force.

The fixing part to PC board is lightly press-fitted boss configuration in consideration of the workability when assembling.

●Sealed

Mat seal is adopted for improving the workability of wire seal part.

●Durability

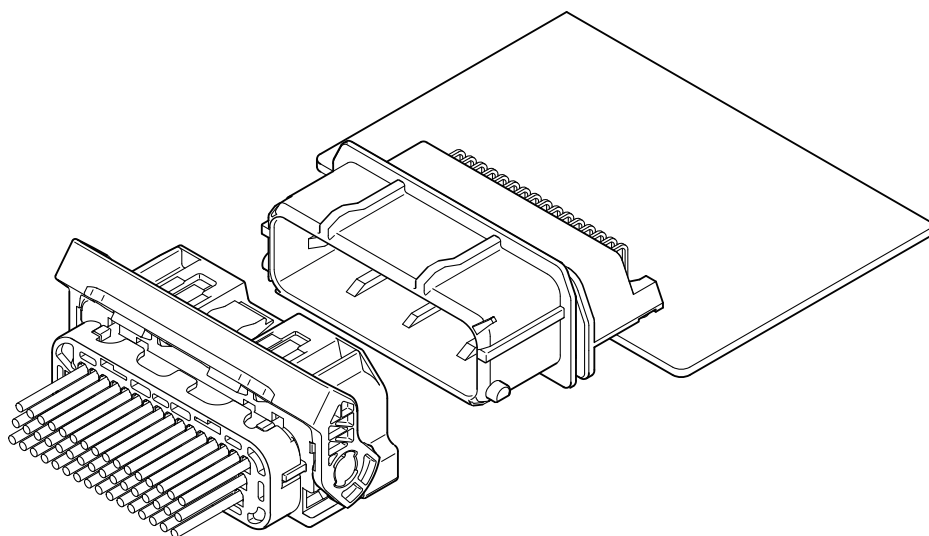
Heat resistant specification corresponding up to 125°C.

●Variation

If the optional harness cover is used, the harness can be taken out from the side.

This connector is 48 circuits sealed and lever type connector.

Female connector is ZRO, and TCUD male connector is lower height than ZRO male connector.



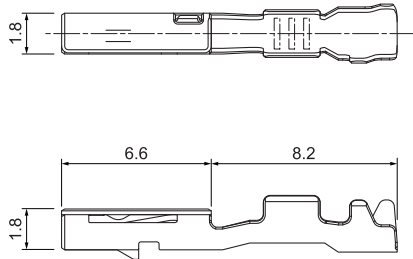
Specifications

- Current rating: Power/ 7 A DC
Signal/ 5 A DC
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8 mΩ max.
After environmental tests/ 16 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: AVSS 0.3 mm² to 0.85 mm²
AESSX-f 0.3 mm² to 0.75 mm²

* Compliant with ELV/RoHS2.

* Contact JST for details.

Female terminal

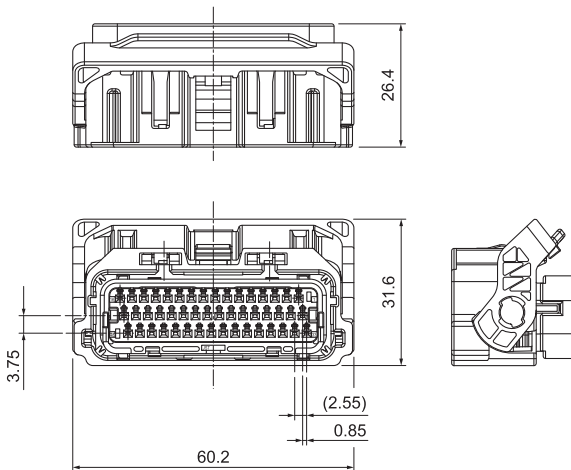


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SZRO-A021T-M0.64	0.3 to 0.5	1.4 to 1.7	7,500
SZRO-A031T-M0.64	0.75 to 0.85	1.8 to 1.9	7,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Female connector



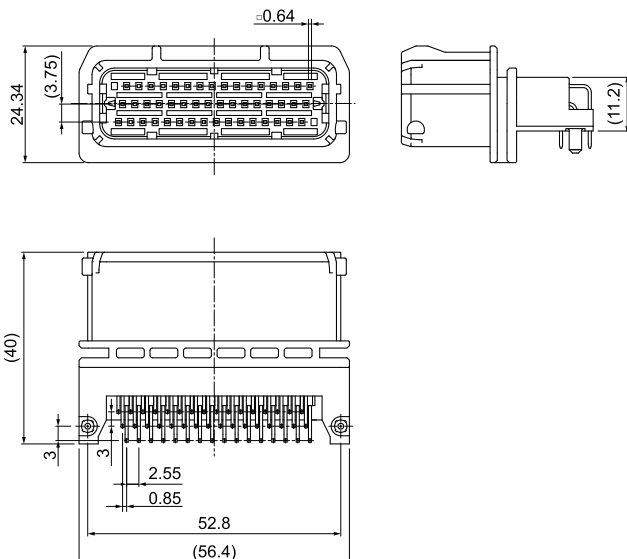
Circuits	Model No.	Key Code	Applicable wire range (mm ²)	Housing Color	Wire seal Color	Q'ty/box
48	48ZRO-B-1A	A	0.5 to 0.85	Black	Brown	384
	48ZRO-B-3A	A	0.3 to 0.85	Black	Blue	384

Material and Finish

Housing: Glass-filled PBT
Seal: Silicone
Lever: POM

Note: Applied to 0.75 mm² and 0.85 mm² wires has a limit to an arrangement and number of wires. Refer to the drawing or contact JST for details.

Male connector



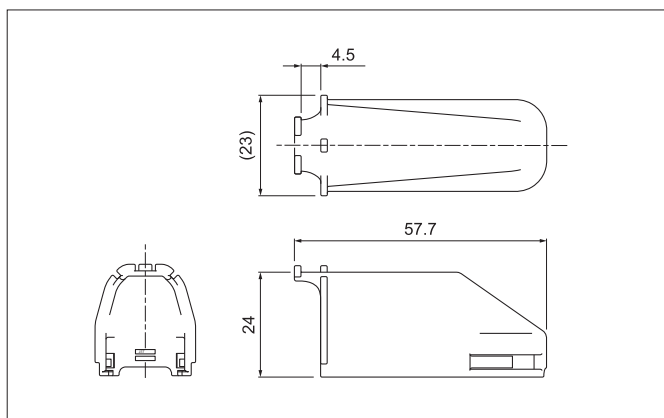
Circuits	Model No.	Key Code	Housing Color	Q'ty/reel
48	S48B-TCUDK-1	A	Black	192

Material and Finish

Housing: Glass-filled PBT
Pin: Brass, tin-plated (reflow treatment)

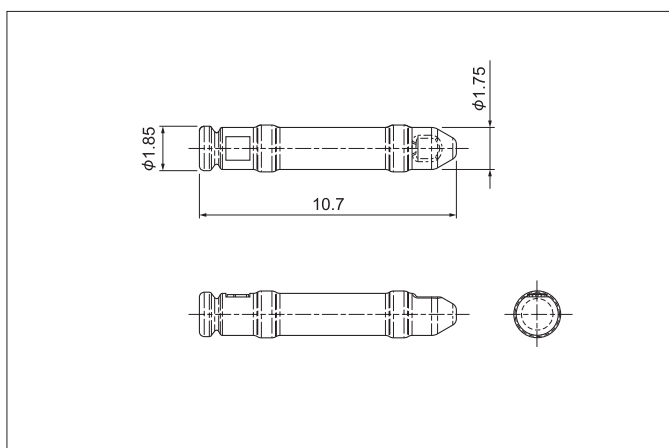
TCUD CONNECTOR

Harness cover



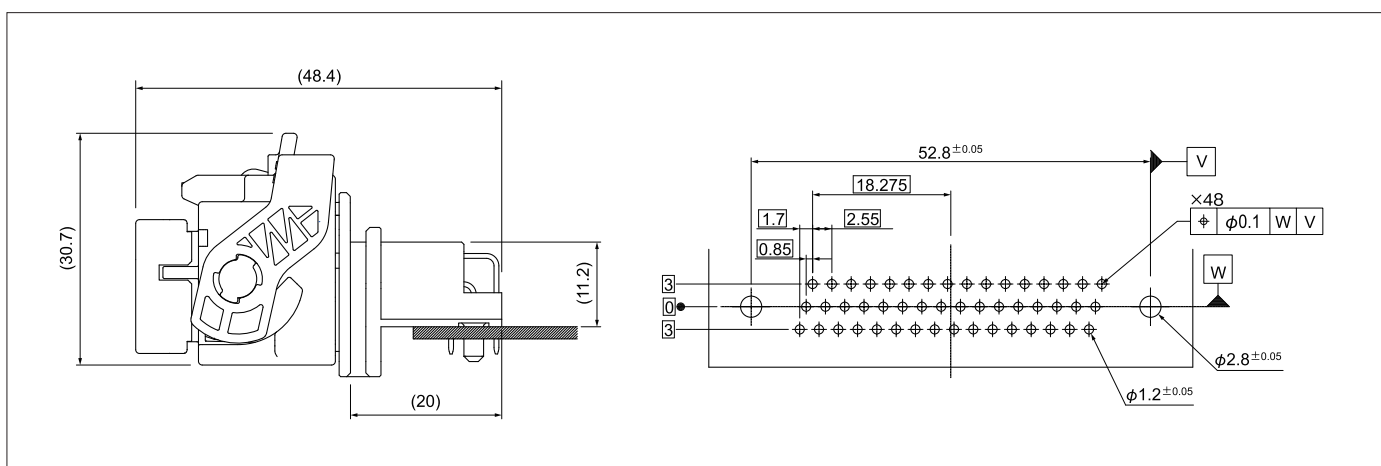
Circuits	Model No.	Housing Color	Q'ty/box
48	ZROHC-48H-K-1	Black	600
Material and Finish			
PBT			

Dummy plug



Model No.	Q'ty/box
WPHDP-H-1A-H	7,000
Material and Finish	
PBT, Gray	

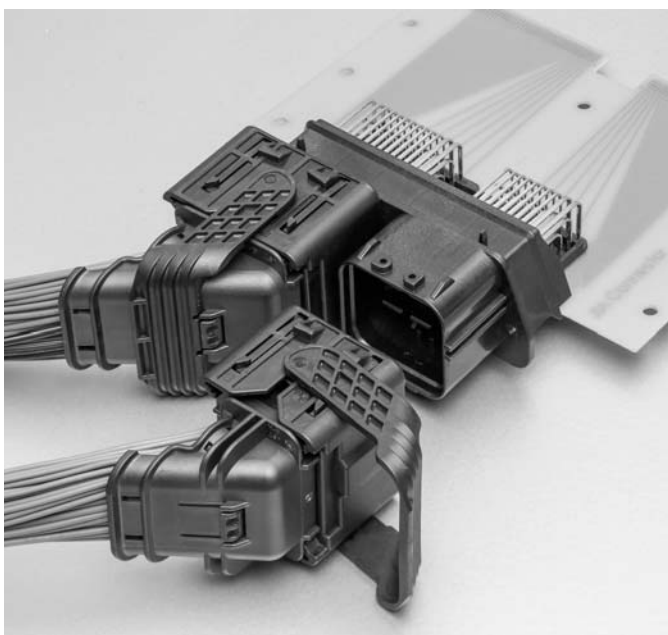
PC board layout, Assembly layout



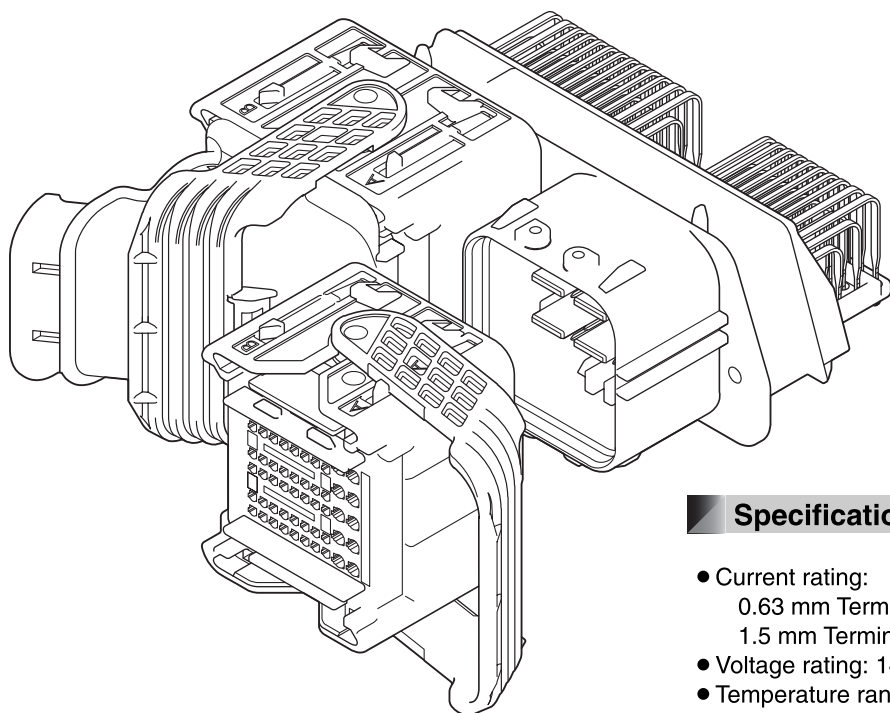
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SZRO-A021T-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064
SZRO-A031T-M0.64		MK/SZRO-A031-064	APLMK SZRO-A031-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



0.63 mm/1.5 mm Sealed hybrid type Connector



Features

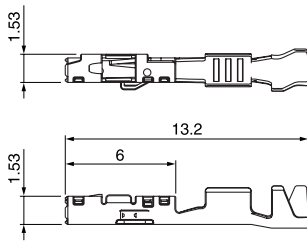
- **Water / Dust protection**
Mat seal is adopted for improving the workability of harness assembling.
- **Side type Terminal Position Assurance (TPA)**
- **Mechanical Assist Lever**
The lever mechanism is adopted to decrease the insertion force in mating male and female.
- **Variation**
Various key code and wire cover can be selected.

Specifications

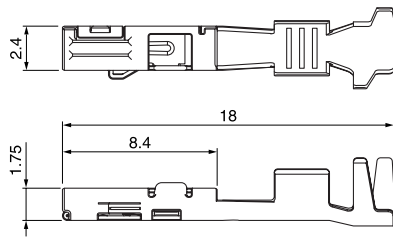
- **Current rating:**
 - 0.63 mm Terminal (0.63t) / 5 A max. (0.5 mm², Single circuit)
 - 1.5 mm Terminal (0.6t) / 15 A max. (1.25 mm², Single circuit)
- **Voltage rating:** 14 V DC
- **Temperature range:** -40°C to +120°C
(including temperature rise in applying electrical current)
- **Contact resistance:**
 - 0.63 mm Terminal; Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max
 - 1.5 mm Terminal; Initial value/ 5 mΩ max.
After environmental tests/ 10 mΩ max
- **Insulation resistance:** 100 MΩ min.
- **Withstanding voltage:** 1,000 VAC/minute
- **Applicable wire:** AESX (f)
 - 0.63 mm Terminal; 0.3 mm² to 0.5 mm²
 - 1.5 mm Terminal; 0.75 mm² to 1.25 mm²
- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

• 0.63 mm Female terminal



• 1.5 mm Female terminal



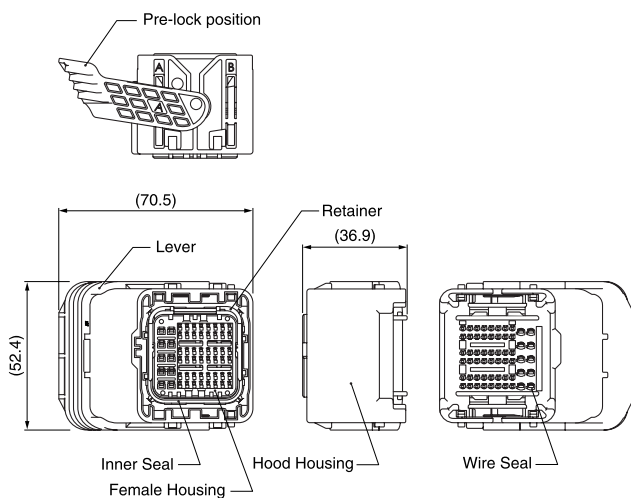
Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
0.63	SJIA-A021T-M063	0.3 to 0.5	1.5 to 1.7	10,000
1.5	SNACM-A041T-M1.5	0.75 to 1.25	1.8 to 2.1	5,000

Material and Finish

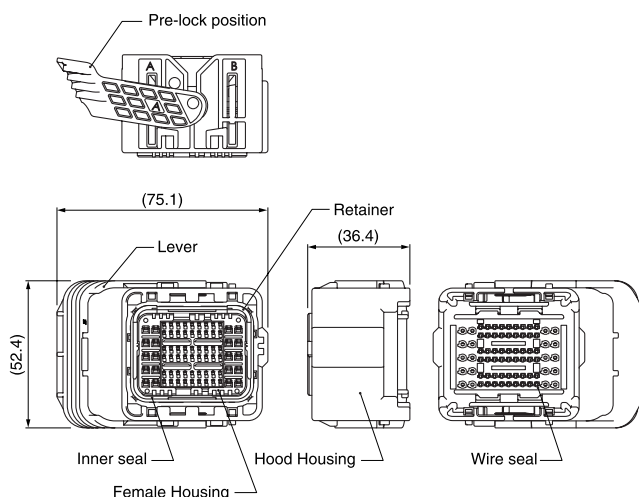
Copper alloy, tin-plated (reflow treatment)

Female connector

• 58JIA-RB-#(*)-K



• 74JIA-RB-#(*)-K



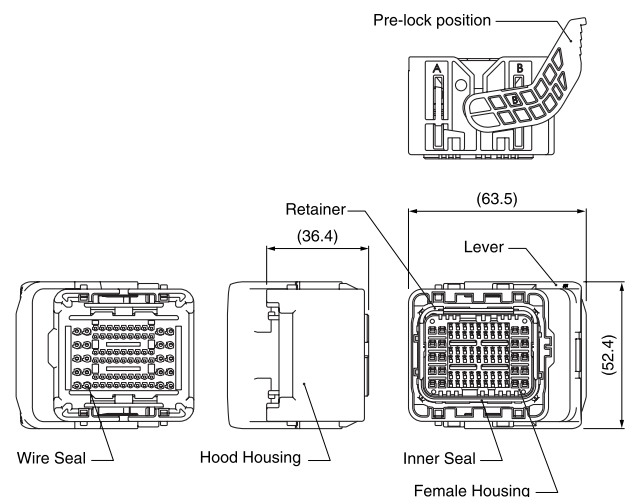
Circuits	Model No.	Q'ty/box	Housing Color
58	58JIA-RB-#(*)-K	162	Black
74	74JIA-RB-#(*)-K	162	Black

Material and Finish

Female housing: Glass-filled PA 66, Black
 Hood housing: Glass-filled PA 66, Black
 Retainer: Glass-filled PA 66, Natural
 Inner seal: Silicone, 58-circuit (Blue), 78-circuit (Green)
 Wire seal: Silicone, 58-circuit (Blue), 78-circuit (Green)
 Lever: Glass-filled PA 66, Black

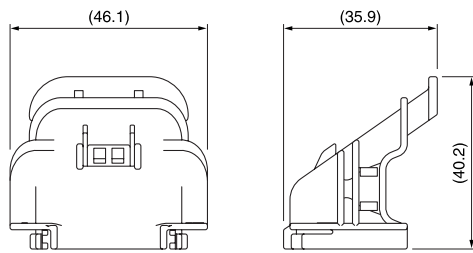
(#): The specifications of keycode.

(*): The specifications of lever type and direction.

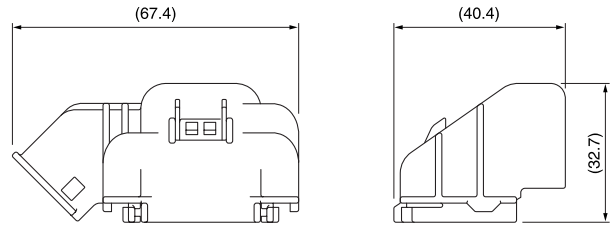


Wire cover

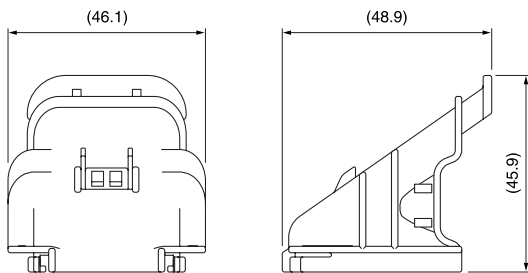
● JIAHC-58H-1A-K



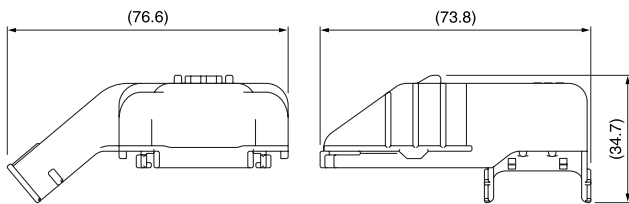
● JIAHC-58H-3A-K



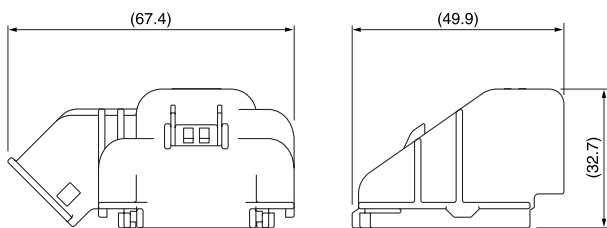
● JIAHC-74H-1A-K



● JIAHC-74H-2A-K



● JIAHC-74H-3A-K



Circuits	Model No.	Q'ty/box
58	JIAHC-58H-1A-K	400
	JIAHC-58H-3A-K	250
74	JIAHC-74H-1A-K	300
	JIAHC-74H-2A-K	150
	JIAHC-74H-3A-K	150
Material and Finish		
Glass-filled PBT, Black		

Wire Cover

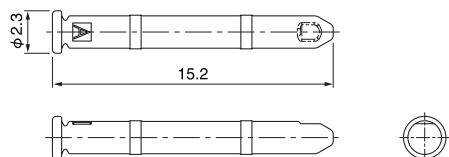
Female Connector

JIAHC-74H-1A-K	74JIA-RB-1(*)-K
JIAHC-74H-2A-K	74JIA-RB-2(H/L)-K
JIAHC-74H-3A-K	74JIA-RB-2(*)-K (*Excluded H/L)
JIAHC-58H-1A-K	58JIA-RB-(#)(*)-K
JIAHC-58H-3A-K	

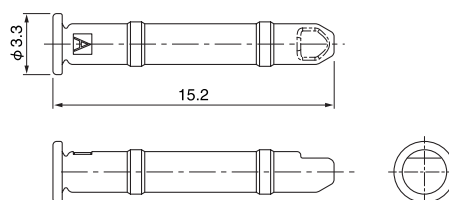
* Contact JST for details.

Female dummy plug

● 0.5 mm² Female dummy plug



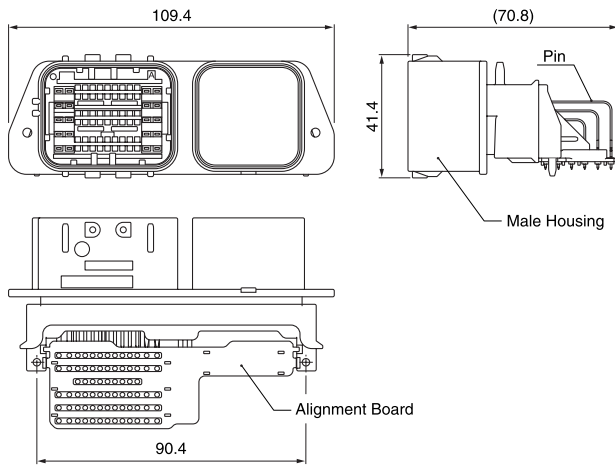
● 0.75 to 1.25 mm² Female dummy plug



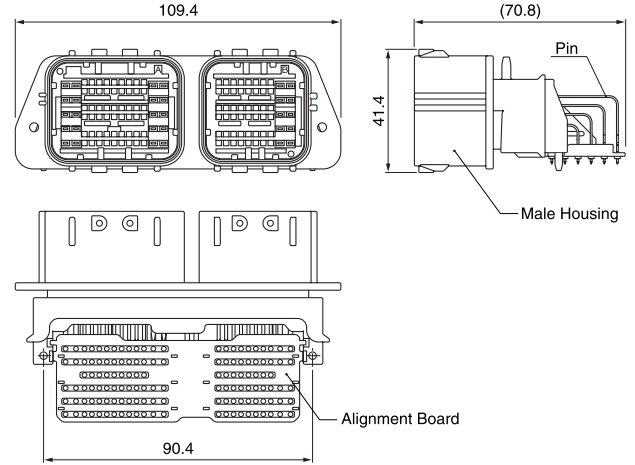
Applicable Wire	Model No.	Q'ty/reel	Color
0.5 mm ²	JIADP-H-1A-H	126,000	Gray
	JIADP-H-1A-M	126,000	Green
0.75 to 1.25 mm ²	JIADP-H-3A-K	126,000	Black
	JIADP-H-3A-Y	126,000	Yellow
Material and Finish			
PBT			

Male connector

● S74B-JIA-1C-HK



● S132B-JIA-1C-HK



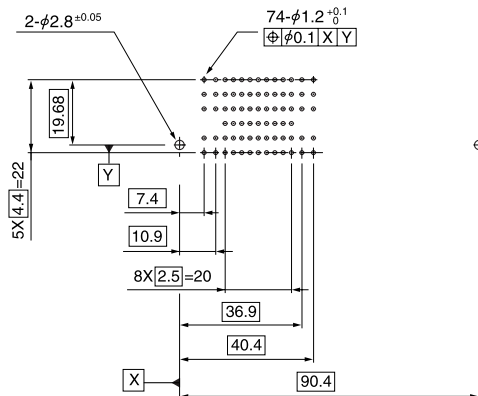
Circuits	Model No.	Q'ty/box	Housing Color
74	S74B-JIA-1C-HK	72	Black
132	S132B-JIA-1C-HK	72	Black

Material and Finish

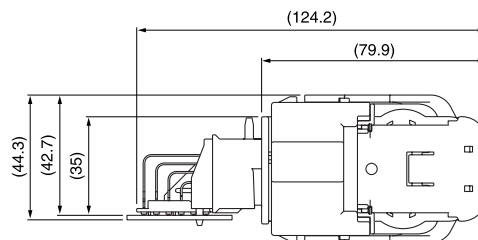
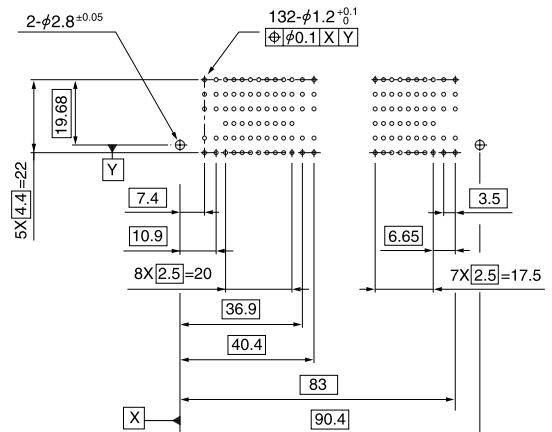
Male housing: Glass-filled PA 66, Black
 Alignment board: Glass-filled PA 66, Black
 Pin: Copper alloy, nickel-undercoated, tin-plated

PC board layout, Assembly layout

● 74 Circuits



● 132 Circuits



Note: 1. The dimensions above should serve as guideline. Contact JST for details.
 2. Dimensions may be changed depending on cover type.

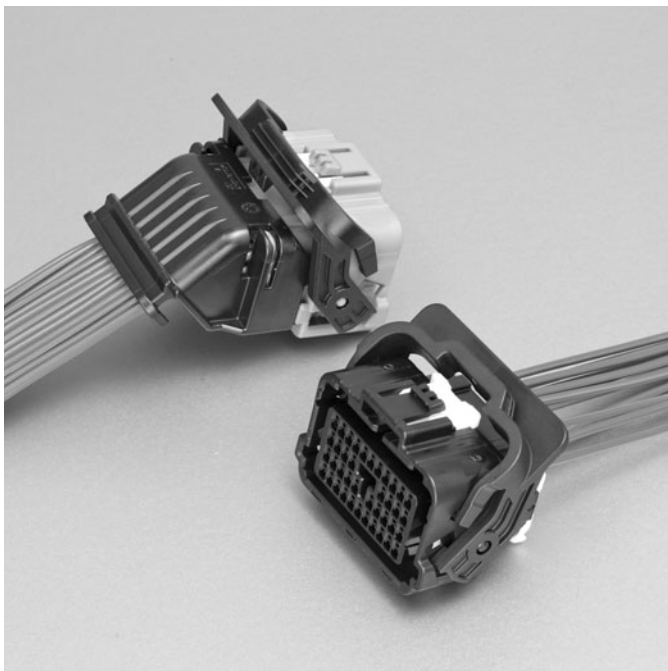
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SJIA-A021T-M063	AP-K2N	MK/SJIA-A021-063	APLMK SJIA-A021-063
SNACM-A041T-M1.5		MK/SNACM-A041-15	APLMK SNACM-A041-15

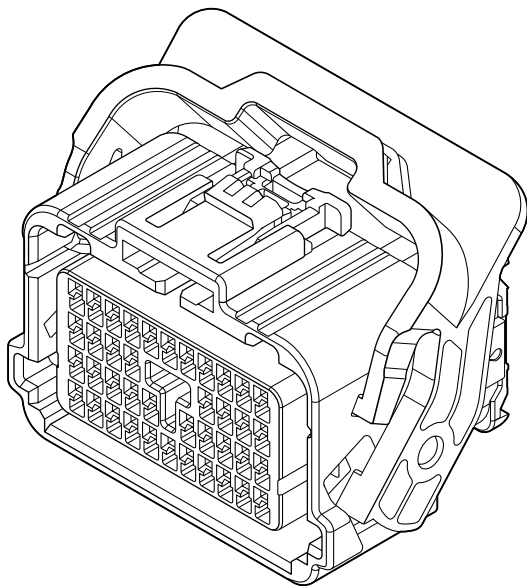
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

HPS CONNECTOR

Board-to-wire/Sealed connector



40 Circuits 0.64 Sealed Connector



Features

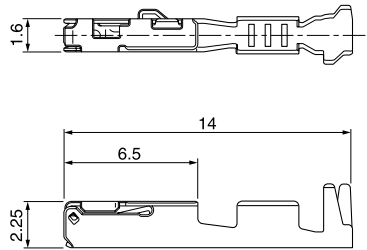
- Water / Dust protection
- Connector Position Assurance (CPA) Mechanism
- Key Option is available.
- Independent Secondary Lock Design
- Mechanical Assist Lever (Vertical motion)
- High Temperature Resistance
- Wire Dressing Cover is optional

Specifications

- Current rating: 5A AC, DC max.
- Voltage rating: 14V AC, DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/15mΩ max.
After environmental testing/15mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: SAE/ AVSS/ CAVS/ FLR2X-B
0.3mm² to 0.85mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

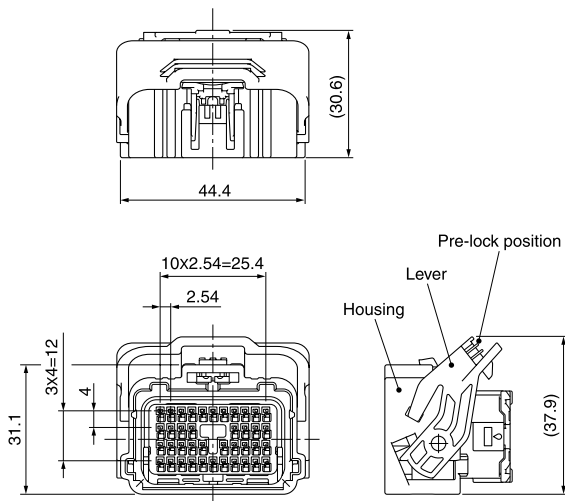


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.85	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.85	≤1.9	6,500

Material and Finish

- ① Copper alloy, tin-plated (reflow treatment)
- ② Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector

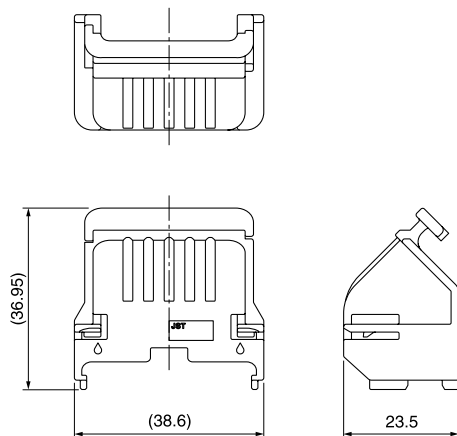


Circuits	Model No.	Q'ty/box	Color	
			Housing	Wire Seal Cover
9	HPSPB-C40C09-AK	336	Black	Black
12	HPSPB-C40C12-AK	336	Black	Natural
21	HPSPB-C40C21-BH	336	Gray	Black
31	HPSPB-C40C31-BH	336	Gray	Gray

Material

Housing: PBT
 Retainer: Glass-filled PBT, natural
 CPA: Glass-filled PBT, natural
 Ring seal: Silicone, green
 Harness seal: Silicone, green
 Lever: Glass-filled PBT, black
 Wire seal cover: Glass-filled PBT

Wire dressing cover



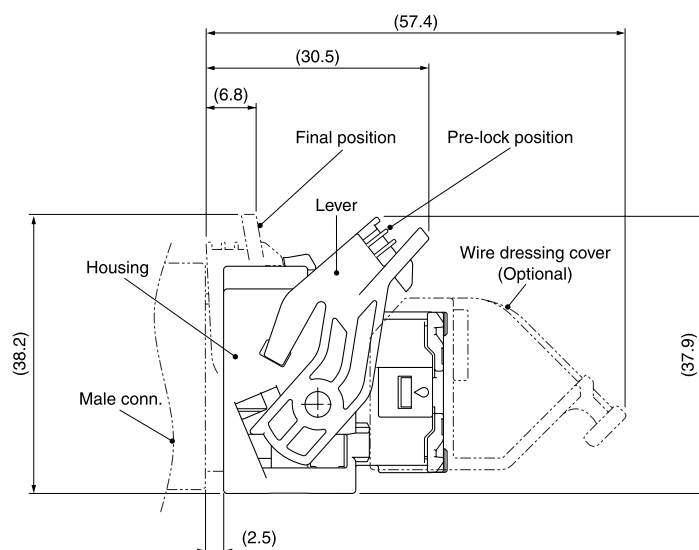
Model No.	Q'ty/box
HPSWC-40-K	100

Material

Glass-filled PBT, black

HPS CONNECTOR

Assembly layout (with Wire dressing cover)



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

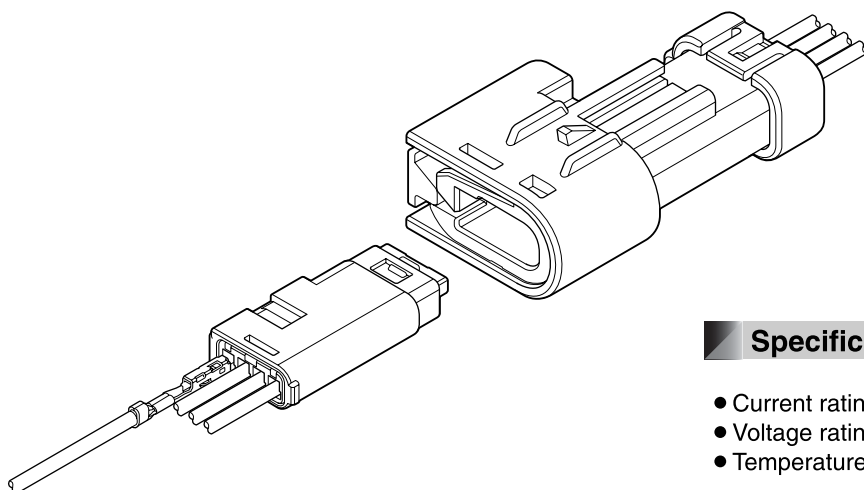
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Miniaturized 0.64 mm Sealed wire-to-wire connector for automotive application.

Features

- Ultra Miniaturized 0.64 Sealed Female Connector for extremely tight packaging conditions

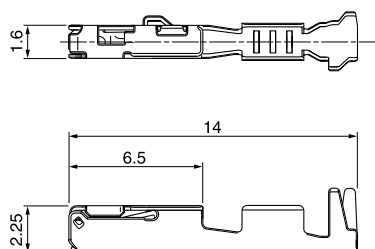


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS
0.3 mm² to 0.8 mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

Female terminal

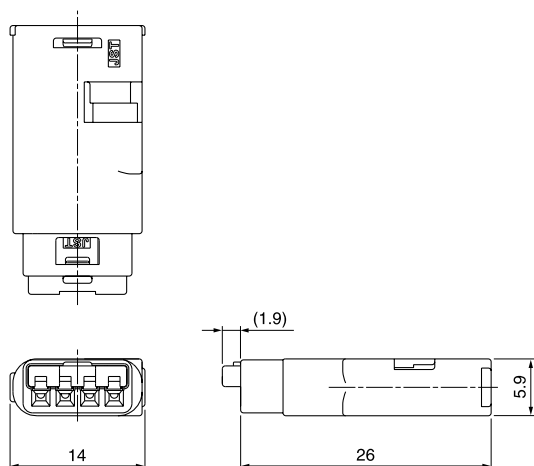


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.8	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Female connector

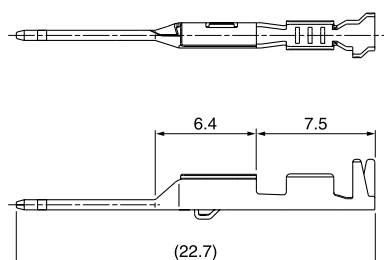


Circuits	Model No.	Q'ty/box
4	SACWPB-04-K	400

Material and Finish

Housing: Glass-filled PBT, Black
TPA: Glass-filled PBT, Red
Cover: Glass-filled PBT, Black
Connector seal: Silicone, Green

Male terminal



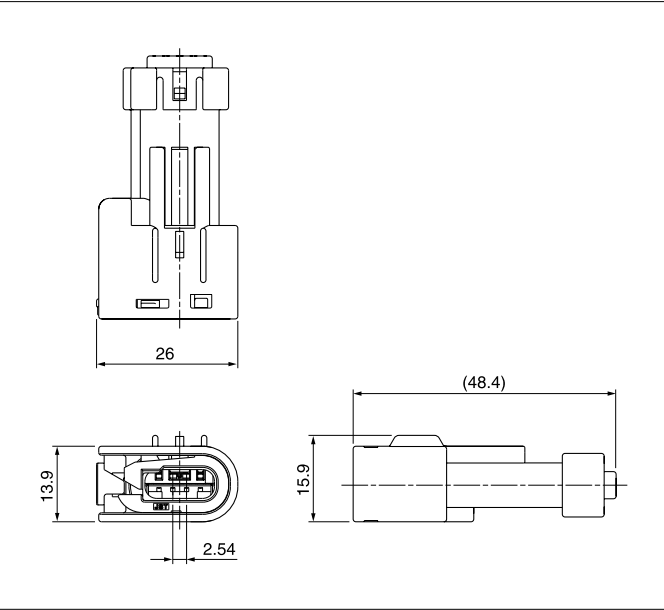
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITW-A03T-064	0.3 to 0.5	≤1.9	7,000
①SAITW-A02T-064	0.75 to 0.8	≤1.9	7,000
②SAITW-A03GF-064	0.3 to 0.5	≤1.9	7,000

Material and Finish

- ①Brass, tin-plated (reflow treatment)
- ②Brass, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

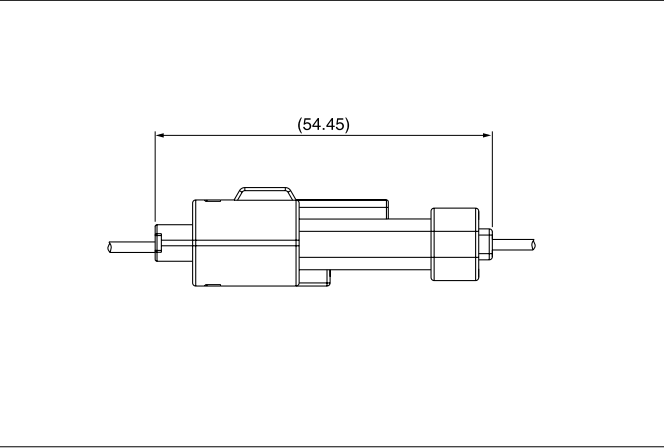
SAC CONNECTOR

Male connector



Circuits	Model No.	Q'ty/box
4	SACWSB-04-K	1,200
Material and Finish		
Housing: Glass-filled PBT, Black		
Retainer: Glass-filled PBT, Red		
Back cover: Glass-filled PBT, Black		
Ring seal & Wire seal: Silicone, Green		
Retention clip: Glass-filled PBT, Natural (White)		

Assembly layout



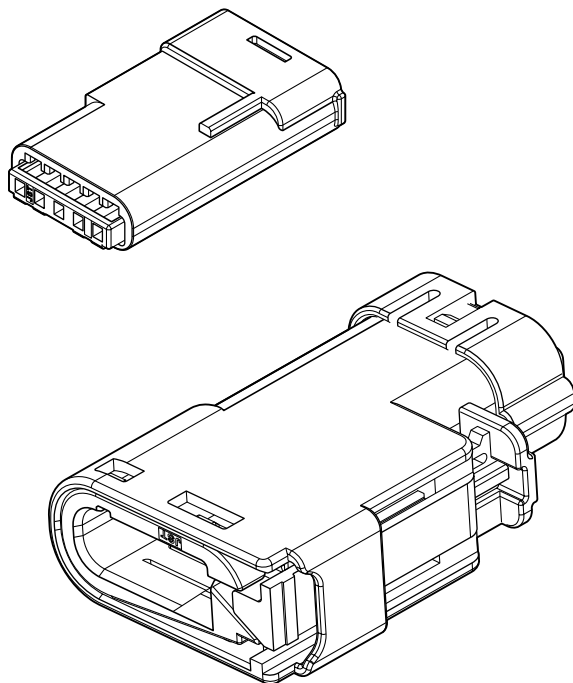
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064
SAITW-A03()-M064		MK/SAITW-A03-064	APLMK SAITW-A03-064
SAITW-A02()-M064		MK/SAITW-A02-064	APLMK SAITW-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



1.2 Sealed Connector



Features

- 2 circuits to 5 circuits, Wire-to-Wire Connection
- Connector Position Assurance (CPA) Mechanism
- Sealed Inline Connector
- 1.2 Clean Body Terminals
- Designed for Small Packaging

Specifications

- Current rating: 7 A AC, DC max.
- Voltage rating: 14 V AC, DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 8.0 mΩ max.
After environmental tests/ 8.0 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: FLR2X-B
0.35 mm² to 0.75 mm²

* Compliant with ELV/RoHS .
* Contact JST for details.

Female terminal

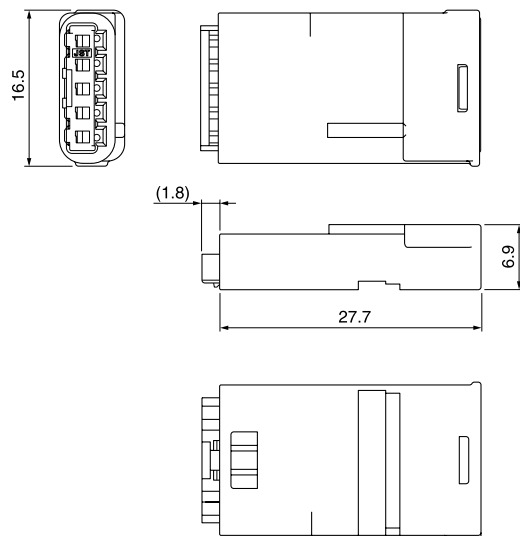
Model No.	Applicable wire range		
	Conductor (mm ²)	Insulation O.D. (mm)	Gage Size
1670144-1 or equivalent	0.5 to 0.75	1.4 to 1.9	18-20AWG
1534594-1 or equivalent	0.35	1.2 to 1.4	22AWG

Material and Finish

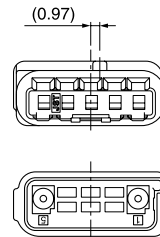
Copper alloy, tin-plated (refer to TE Connectivity for details)

Note: Contact JST for details.

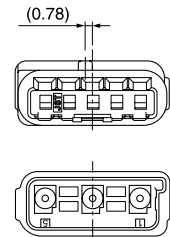
Female connector



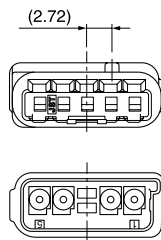
● 2 circuits (Key D)



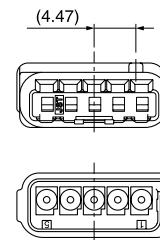
● 3 circuits (Key C)



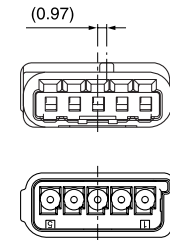
● 4 circuits (Key B)



● 5 circuits (Key A)



● 5 circuits (Key D)



Circuits	Model No.	Key	Q'ty/box	Color of Housing and Back Cover
2	SRVPB-D02-K	D	6,000	Black
3	SRVPB-C03-N	C	6,000	Brown
4	SRVPB-B04-S	B	6,000	Natural
5	SRVPB-A05-H	A	6,000	Light gray
5	SRVPB-D05-K	D	6,000	Black

Material and Finish

Housing: Glass-filled PBT
 TPA: Glass-filled PBT, Red
 Matte seal: Silicone, Green
 Back cover: Glass-filled PBT

SRV CONNECTOR

Male terminal

Model No.	Applicable wire range		
	Conductor (mm ²)	Insulation O.D. (mm)	Gage Size
1718350-1 or equivalent	0.5 to 0.75	1.4 to 1.9	18-20AWG
1718348-1 or equivalent	0.35	1.2 to 1.4	22AWG

Material and Finish

Copper alloy, tin-plated (refer to TE Connectivity for details)

Note: Contact JST for details.

Male connector

● 2 circuits (Key D) ● 3 circuits (Key C) ● 4 circuits (Key B)

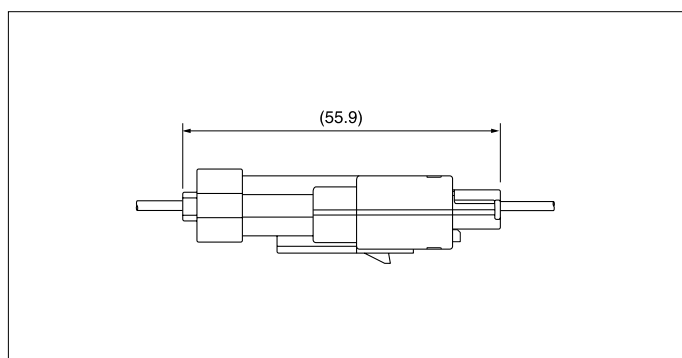
Circuits	Model No.	Key	Q'ty/box	Color of Housing and Back Cover
2	SRVWSB-02A-DK	D	900	Black
3	SRVWSB-03A-CN	C	900	Brown
4	SRVWSB-04A-BS	B	900	Natural
5	SRVWSB-05A-AH	A	900	Light gray
5	SRVWSB-05A-DK	D	900	Black

Material and Finish

Housing: Glass-filled PBT
 TPA: Glass-filled PBT, Red
 Ring seal: Silicone, Green
 Back cover: Glass-filled PBT
 CPA: Glass-filled PBT, Red
 Mat seal: Silicone, Green
 Retainer clip: Glass-filled PBT, Natural

● 5 circuits (Key A) ● 5 circuits (Key D)

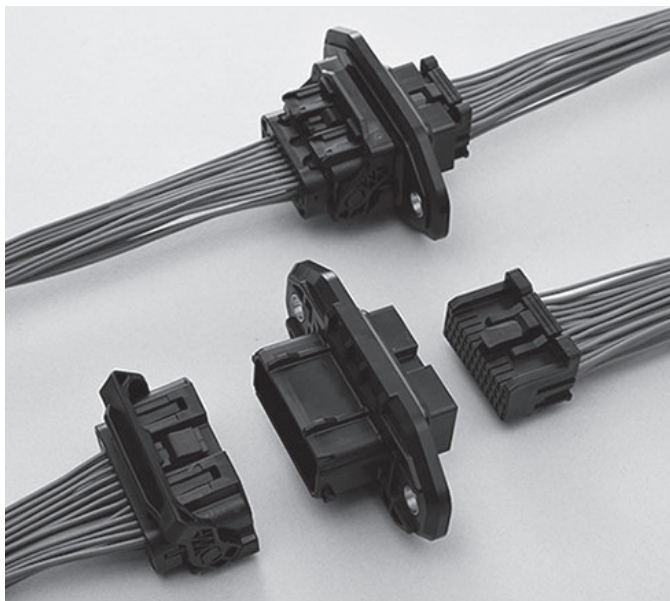
Assembly Layout



Note: Tolerances are non-cumulative: ± 0.05 mm for all centers.

EVZ2CONNECTOR

Wire-to-wire/Panel Mount connector



Features

● 3 pieces structure

The case mounted male connector connects inside and outside of the case with harness.

● Sealed

Only attaching male connector to case body, it ensures waterproof performance.

Double seal structure of surface and shaft seal realizes the strong waterproof property.

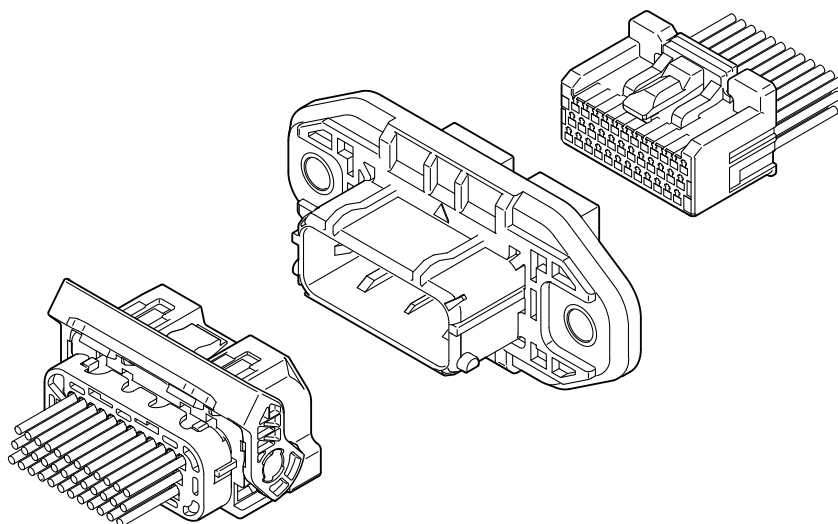
● Variation

Lineup of 10, 27 and 36 circuits.

Terminal plating is selectable from gold-plated or tin-plated.

This connector is wire-to-wire, waterproof panel mount connector.

It is possible to connect inside and outside of the case with harness by mounting male connector to the case.



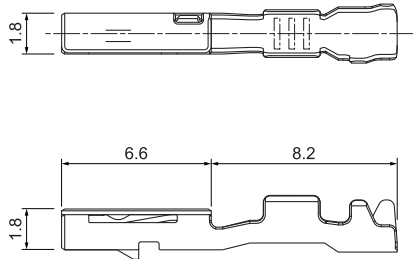
Specifications

- Current rating: 5 A DC
(0.5 mm², including temperature rise in applying electrical current when individual energized)
- Withstanding voltage: 1,000 VAC/minute
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: **【Outside waterproof connector】**
AESSX/AVSS/AVSSH;
0.5 mm² to 0.85 mm²
※36 circuits can only use 0.3 mm²~
【Inside non-waterproof connector】
AESSX/AVSS/AVSSH;
0.3 mm² to 0.5 mm²

* Compliant with ELV/RoHS2.

* Contact JST for details.

Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SZRO-A021T-M0.64	0.3 to 0.5	1.4 to 1.7	7,500
SZRO-A031T-M0.64	0.75 to 0.85	1.8 to 1.9	7,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

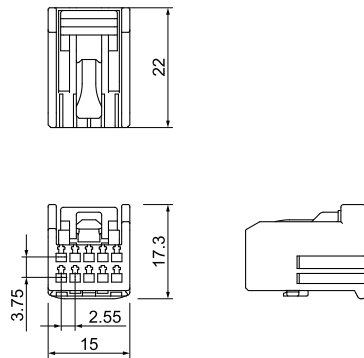
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SWPH-A021GF-M0.64	0.3 to 0.5	1.4 to 1.7	10,000

Material and Finish

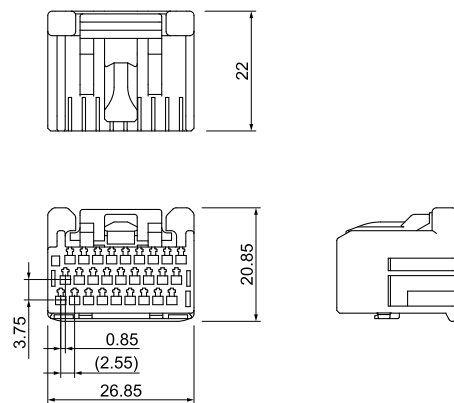
Copper alloy, Contact area; Selective gold-plated
Barrel area; tin-plated

Female connector (Non-waterproof)

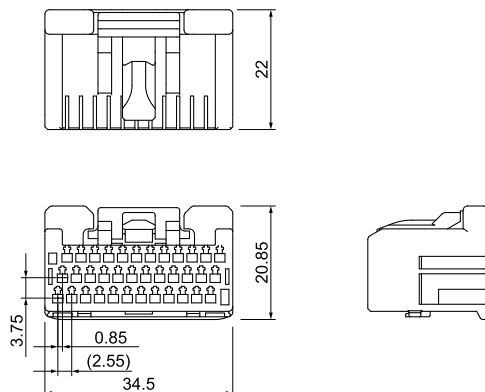
●10 circuits



●27 circuits



●36 circuits



Circuits	Model No.	Key Code	Housing Color	Q'ty/box
10	10EVZ-B-K-2A	A	Black	2,673
	10EVZ-B-H-2B	B	Gray	
27	27EVZ-B-K-2A	A	Black	1,350
36	36EVZ-B-K-2A	A	Black	990

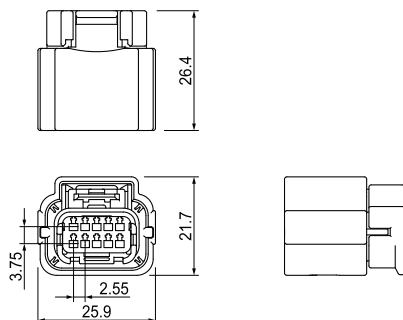
Material and Finish

Housing: Glass-filled PBT

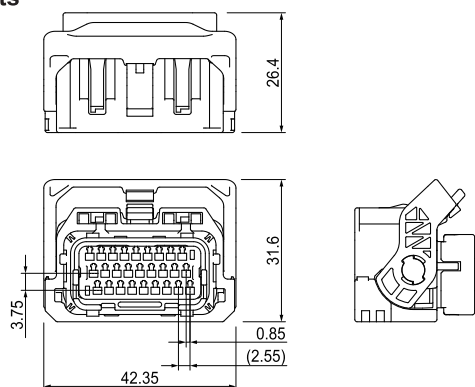
EVZ2 CONNECTOR

Female connector (Waterproof)

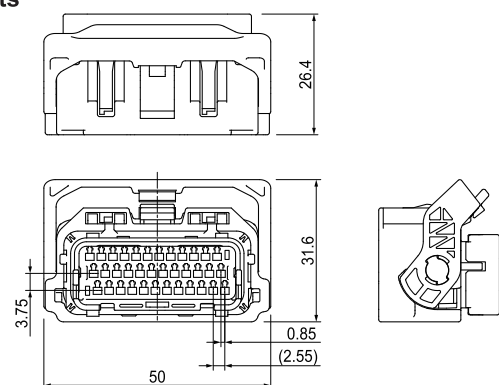
●10 circuits



●27 circuits



●36 circuits



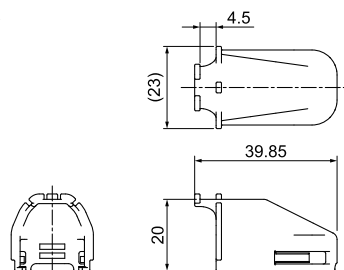
Circuits	Model No.	Key Code	Applicable wire range (mm ²)	Housing Color	Wire seal Color	Q'ty/box
10	10EVZ-B-K-1A	A	0.5 to 0.85	Black	Brown	1,080
	10EVZ-B-H-1B	B		Gray		
27	27ZRO-B-1A	A	0.5 to 0.85	Black	Brown	576
36	36ZRO-B-1A	A	0.5 to 0.85	Black	Brown	512
	36ZRO-B-2A		0.3 to 0.85		Red	512

Material and Finish

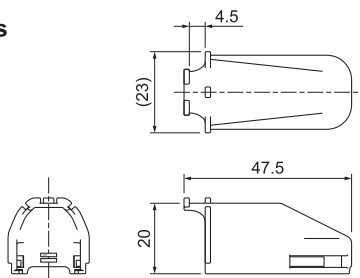
Housing: Glass-filled PBT
Seal: Silicone
Lever: POM

Harness cover

●27circuits



●36 circuits

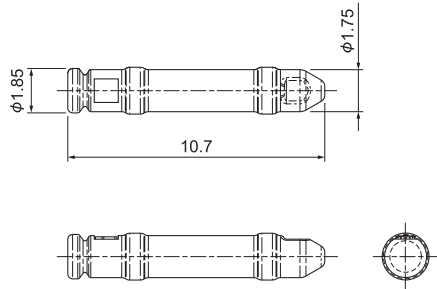


Circuits	Model No.	Housing Color	Q'ty/box
10	No Option		
27	ZROHC-27H-K-1	Black	1,200
36	ZROHC-36H-K-1	Black	900

Material and Finish

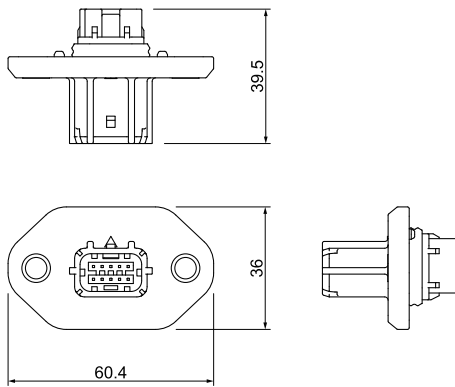
PBT

Dummy plug

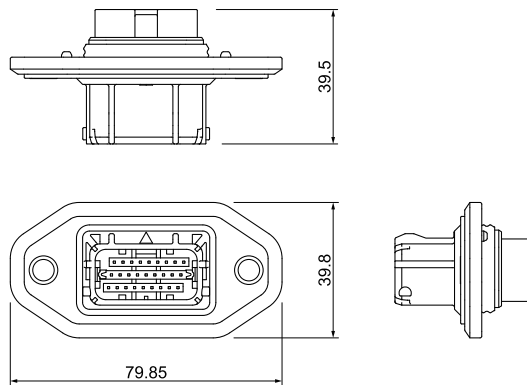


Male connector

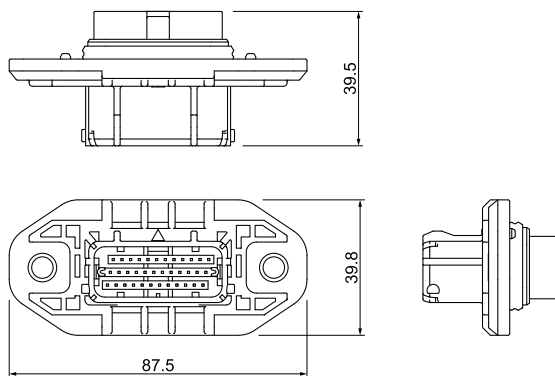
●10 circuits



●27 circuits



●36 circuits



Model No.	Q'ty/box
WPHDP-H-1A-H	7,000
Material and Finish	
PBT, Gray	

Plating	Circuits	Model No.	Key Code	Housing Color	Q'ty/box
Sn	10	BU10B-EVZ2K-2A1	A	Black	100
		BU10B-EVZ2H-2B1	B	Gray	100
	27	BU27B-EVZ2K-2A1	A	Black	75
		BU36B-EVZ2K-2A1	A	Black	120
Au	10	BU10B-EVZ2K-2A3	A	Black	100
		BU10B-EVZ2H-2B3	B	Gray	100
	27	BU27B-EVZ2K-2A3	A	Black	75
		BU36B-EVZ2K-2A3	A	Black	120

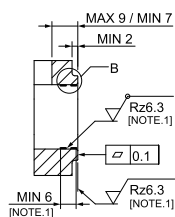
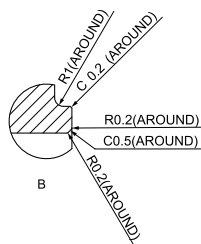
Material and Finish

Housing: Glass-filled PBT
 Seal: Silicone
 Bush: Brass
 Male terminal: Brass
 Sn: Tin-plated (reflow treatment)
 Au: Selective gold-plated

Assembly layout

Recommended shape of the panel mounting part

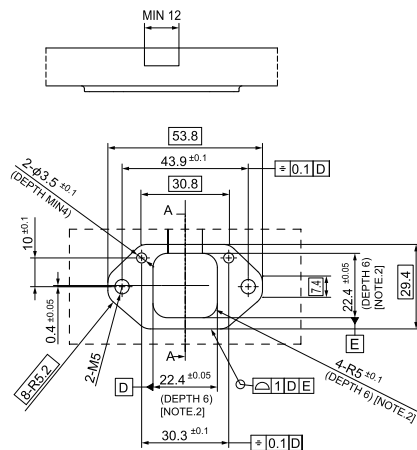
●10 circuits



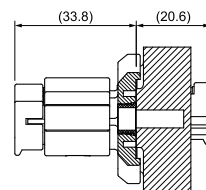
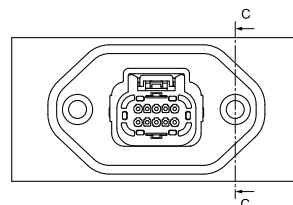
A-A

NOTE.

- 1.The designated place is the waterproof surface.
Keep the surface roughness lower than Rz6.3.
- 2.The designated dimensions and tolerances are applied to the waterproof range of 6mm in depth.
- 3.Recommended material of the chassis is equivalent to aluminum material (ADC12).

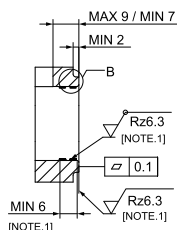
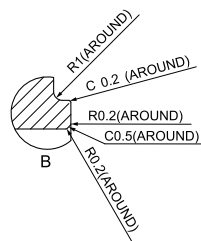


Assemble state



C-C

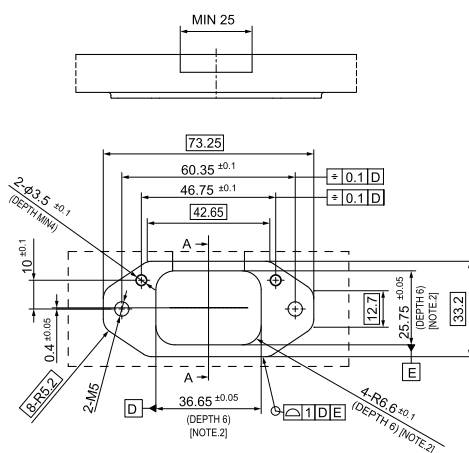
●27 circuits



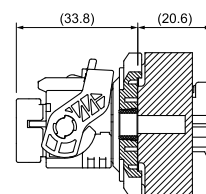
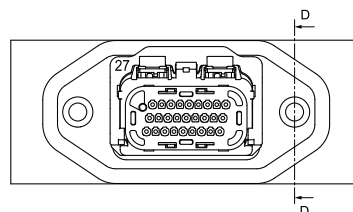
A-A

NOTE.

- 1.The designated place is the waterproof surface.
Keep the surface roughness lower than Rz6.3.
- 2.The designated dimensions and tolerances are applied to the waterproof range of 6mm in depth.
- 3.Recommended material of the chassis is equivalent to aluminum material (ADC12).

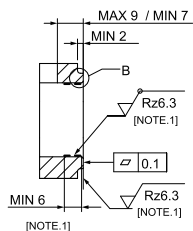
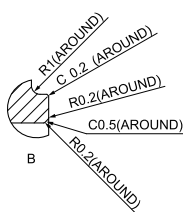


Assemble state



D-D

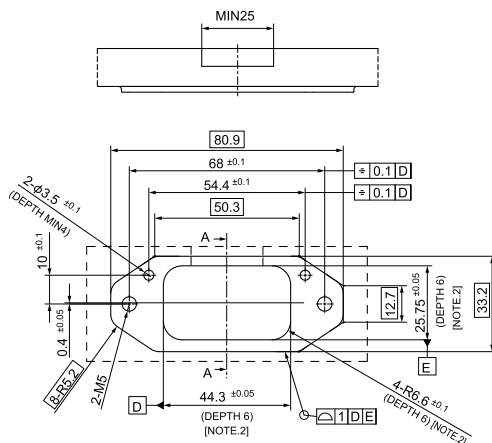
●36 circuits



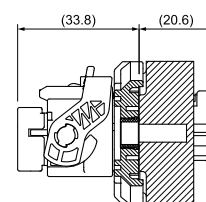
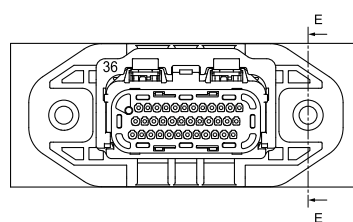
A-A

NOTE.

- 1.The designated place is the waterproof surface.
Keep the surface roughness lower than Rz6.3.
- 2.The designated dimensions and tolerances are applied to the waterproof range of 6mm in depth.
- 3.Recommended material of the chassis is equivalent to aluminum material (ADC12).



Assemble state



E-E

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SZRO-A021T-M0.64	AP-K2N	MK/SWPH-A021-064	APLMK SWPH-A021-064
SWPH-A021GF-M0.64			
SZRO-A031T-M0.64		MK/SZRO-A031-064	APLMK SZRO-A031-064

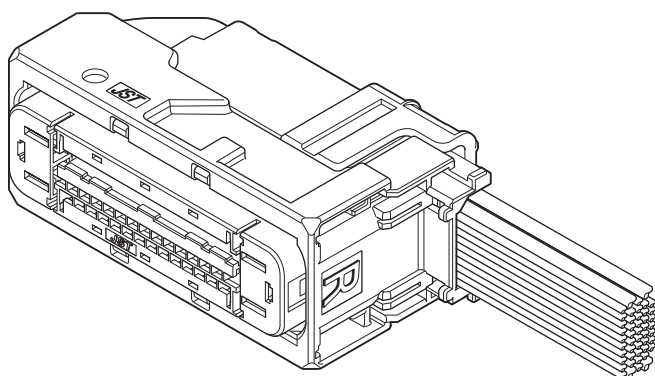
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



47 Circuits 0.64/6.3 Hybrid Sealed Connector compliant with the USCAR footprints and performance standard. Designed for ABS application.

Features

- 47 circuits: 0.64/6.3 Hybrid Sealed Connector
- Compliant with the Standard USCAR Footprints
- Ergonomic, dual action lever mechanism design for low Mating Force
- Alternative Cable routing design
- Flash-Over options are available for blocking unused circuits
- Cable protector (optional) for additional cable protection

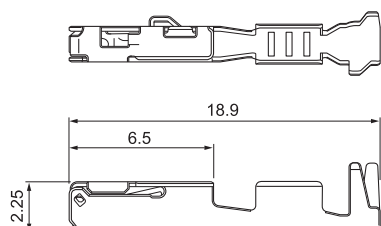


Specifications

- Current rating: 0.64 Terminal/ 5 A DC max.
6.3 Terminal/ 40 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - 0.64 Terminal; Initial value/ 20 mΩ max.
After environmental tests/ 20 mΩ max.
 - 6.3 Terminal; Initial value/ 1.5 mΩ max.
After environmental tests/ 1.5 mΩ max.
- Insulation resistance: 20 MΩ min.
- Applicable wire:
 - 0.64 Terminal; SAE/ AVSS/ CAVS 0.3 mm² to 0.8 mm²
 - 6.3 Terminal; 2.5 mm² (AWG #12)

* Compliant with ELV/RoHS2.
* Contact JST for details.

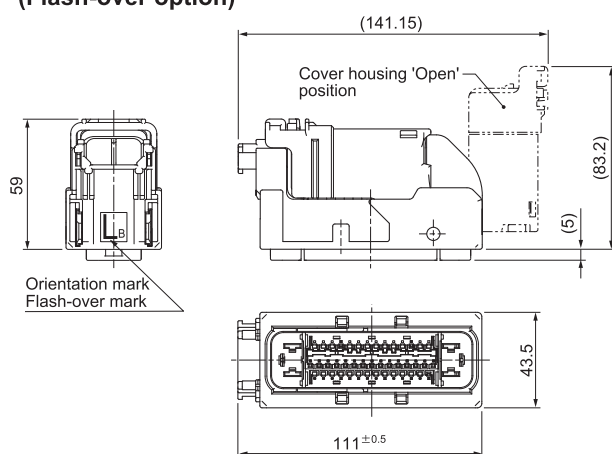
Female terminal



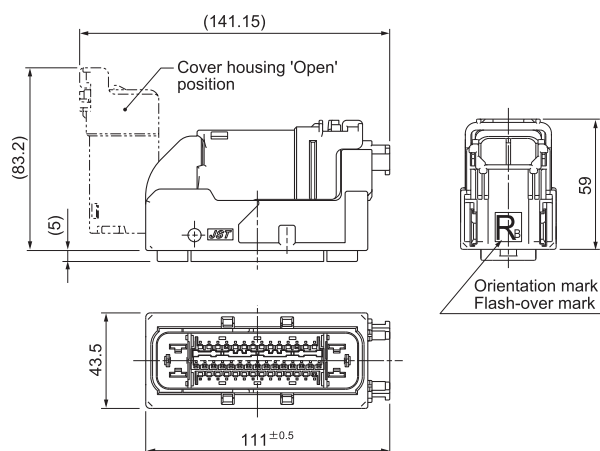
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAITS-A03T-M064	0.3 to 0.5	≤1.9	3,500
①SAITS-A02T-M064	0.75 to 0.8	≤1.9	3,500
②GT630 or equivalent Terminal (Customer specified terminal.)			
Material and Finish			
①Copper alloy, tin-plated (reflow treatment)			
②Copper alloy (refer to Delphi for detail)			

Female connector

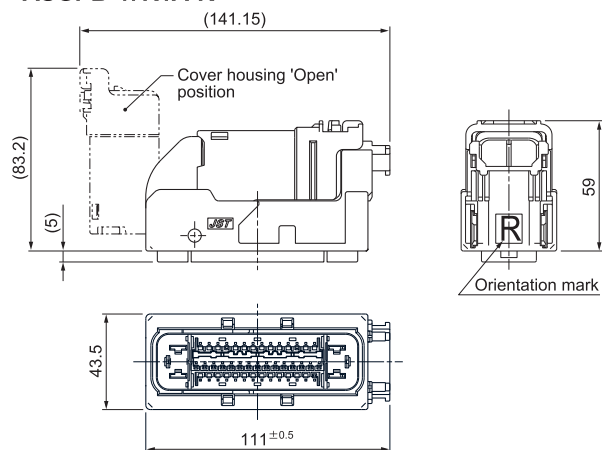
●ASGPB-1547L2A-K/ASGPB-2547L2A-K (Flash-over option)



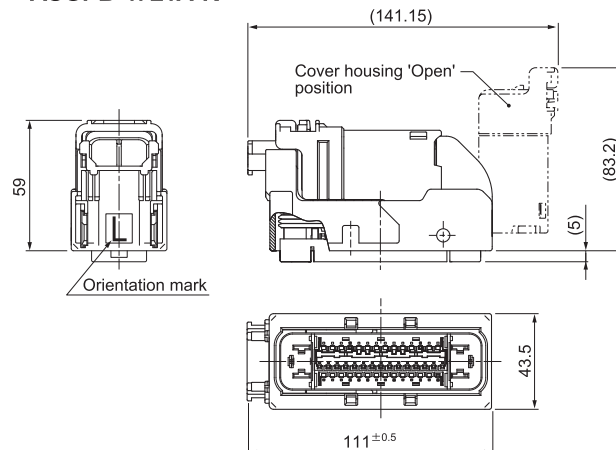
●ASGPB-1547R2A-K (Flash-over option)



●ASGPB-47R1A-K



●ASGPB-47L1A-K

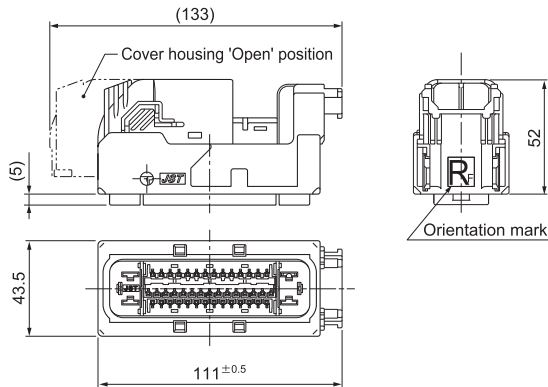


Circuits		Model No.	Q'ty/box
6.3	0.64		
3	22	ASGPB-2547L2A-K	70
		ASGPB-1547R2A-K	70
4	11	ASGPB-1547L2A-K	70
		ASGPB-47R1A-K	70
	43	ASGPB-47L1A-K	70
Material and Finish			
Housing: Glass-filled PBT, Black			
Lever: Glass-filled PBT, Black			
Slide: Glass-filled PA, Black			
Ring seal: Silicone, Green			
TPA: Glass-filled PBT, Natural (White)			

ASG CONNECTOR

Female connector

●ASGPB-F1947R-3AK

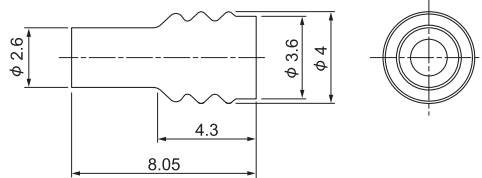


Circuits		Model No.	Q'ty/box
6.3	0.64		
3	16	ASGPB-F1947R-3AK	70

Material and Finish

Housing: Glass-filled PBT, Black
 Slide: Glass-filled PA, Black
 Matte seal: Silicone, Rust red
 Back cover: Glass-filled PBT, Black
 Ring seal: Silicone, Green
 TPA: Glass-filled PBT, Natural (White)

Wire seal

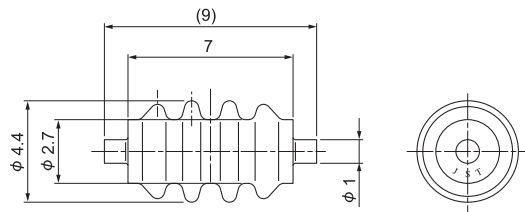


Model No.	Applicable wire range	Q'ty/box	Color
	Insulation O.D. (mm)		
A03CS-AIT-M	1.6 to 1.9	50,000	Green
A04CS-AIT-N	1.2 to 1.6	50,000	Brown

Material and Finish

Silicone

Plug

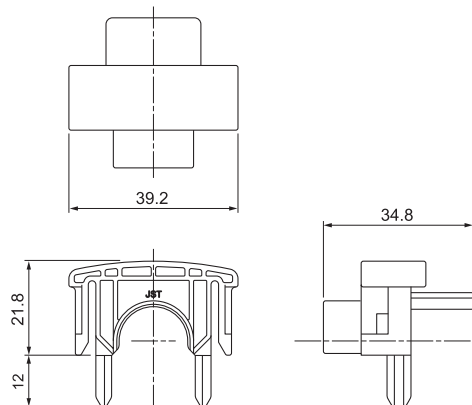


Model No.	Q'ty/box
064PLG-AIT-R	10,000

Material and Finish

Silicone, Red

Cable protector



Model No.	Q'ty/box
ASGC-1547-2A-K	500

Material and Finish

PBT, Black

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAITS-A03T-M064	AP-K2N	MK/SAITS-A03-064	APLMK SAITS-A03-064
SAITS-A02T-M064		MK/SAITS-A02-064	APLMK SAITS-A02-064

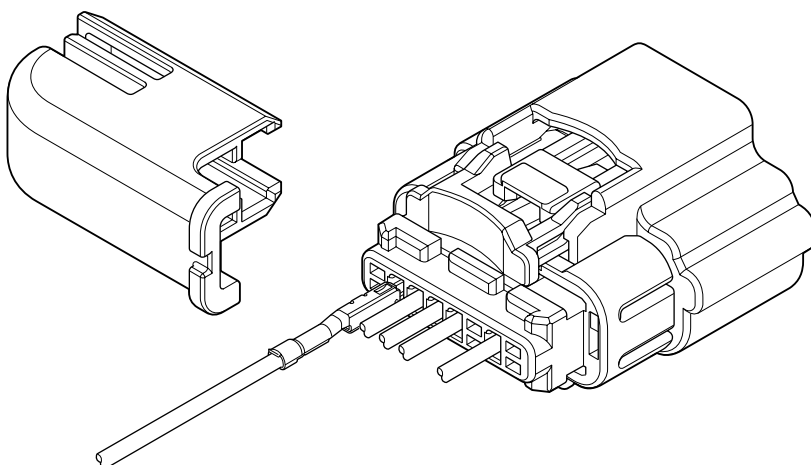
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- 0.64 Sealed Connector
- Compliant with the Standard USCAR Footprints
- (Optional) Connector Position Assurance (CPA), Independent Security Lock Mechanism
- Optional Cable Cover available for Cable routing
- Variety of Cavity block options for unused Circuits

0.64 Sealed Connector compliant with the Standard USCAR Footprints.

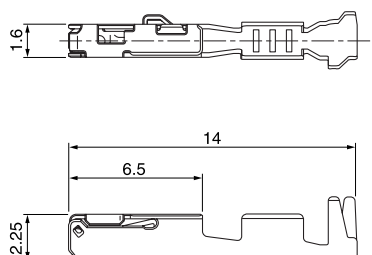


Specifications

- Current rating: 5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max.
After environmental tests/ 15 mΩ max.
- Insulation resistance: 100 MΩ min.
- Applicable wire: SAE/ AVSS/ CAVS
0.3 mm² to 0.8 mm²

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

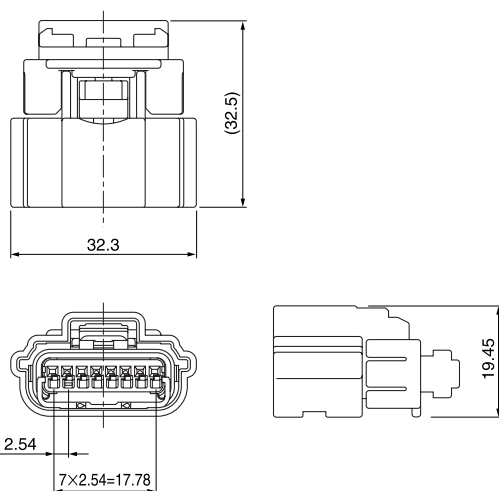


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
①SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
①SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
②SAIT-A03GF-M064	0.3 to 0.5	≤1.9	6,500
②SAIT-A02GF-M064	0.75 to 0.8	≤1.9	6,500

Material and Finish

- ①Copper alloy, tin-plated (reflow treatment)
- ②Copper alloy, Contact area; gold-plated
Barrel area; tin-plated

Female connector



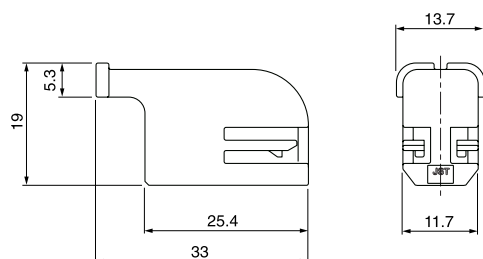
Circuits	CPA	Model No.	Q'ty/box
8	YES	ATSSPB-C08()-1AK	75
	NO	ATSSPB-A08()-1AK	75

Material and Finish

Housing: Glass-filled PBT, Black
TPA: Glass-filled PBT, Natural (White)
CPA: Glass-filled PBT, Red
Back cover: Glass-filled PBT
Ring seal: Silicone, Green
Matte seal: Silicone, Green

Note: Circuits from 3 to 8 available with flashed over back option other than abovementioned housing. Contact JST for details.

Cable cover



Circuits	Model No.	Q'ty/box
8	ATSSCC-08-K	3,000

Material and Finish

Glass-filled PBT, Black

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03()-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02()-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Connector for the GPS antenna system of the car navigation system.

The CN connector applies the unique crimping method to the shielding meshed wires, which will result in superior high-frequency characteristics.

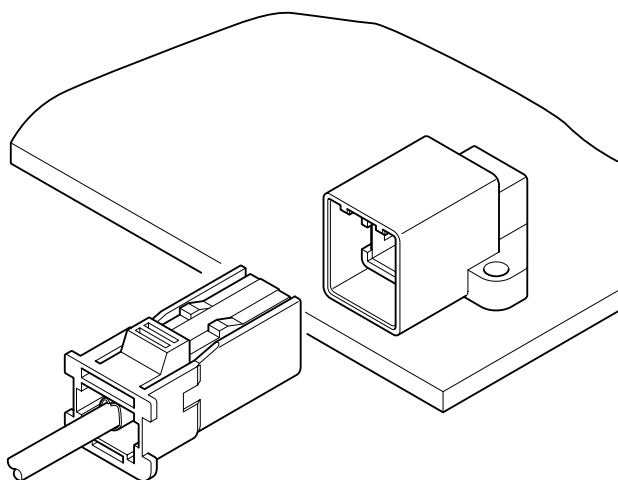
Features

●Crimping method and shape

Shielding meshed wires are crimped with the N-type crimp shape, which prevents the deflection and coming off of the meshed wires.

●Superb high-frequency characteristics

This connector can keep low VSWR characteristics, while serving high-frequency characteristics.



Specifications

- Current rating: 1.0 A AC, DC
- Voltage rating: 250 V AC, DC
- Temperature range: -30°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 30 mΩ max.
After environmental tests/ 60 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: Inner conductor cross sectional area/
0.05 mm² to 0.2 mm²
Outer conductor O.D./ φ0.85 mm to φ2.2 mm
Sheath O.D./ φ1.45 mm to φ3.3 mm
- Frequency range: DC to 1.5 GHz
- Characteristic impedance: 50 Ω

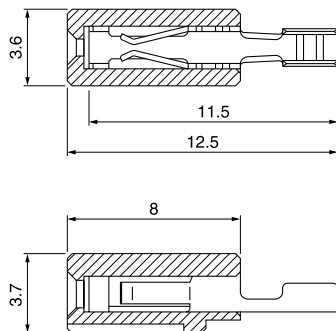
* Compliant with ELV/RoHS.

* Contact JST for details.

Female terminal

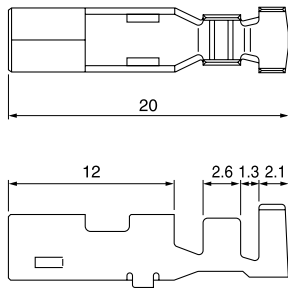
Conductor

● Socket terminal



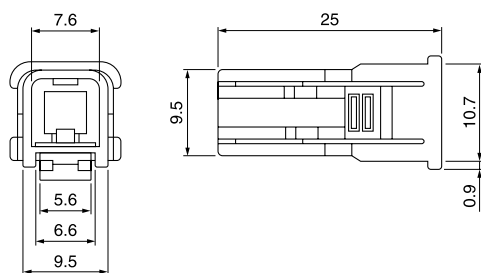
Shielding part

● Plug terminal



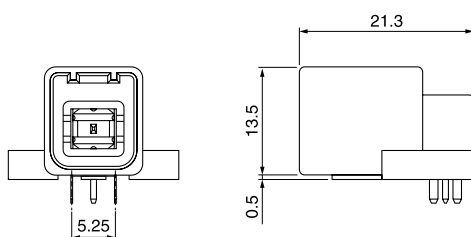
Terminal	Model No.	Q'ty/reel
Conductor	CN-SAS1290	4,000
Shielding part	SCM-61T-4.6	1,500
Material and Finish		
Conductor: Phosphor bronze, tin-plated (reflow treatment)		
Socket housing: Glass-filled LCP, Natural (White)		
Shielding part: Brass, tin-plated (reflow treatment)		

Female connector



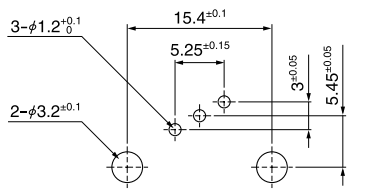
Model No.	Q'ty/box
CNP-01V	1,000
Material and Finish	
Glass-filled PBT, Black	

Header

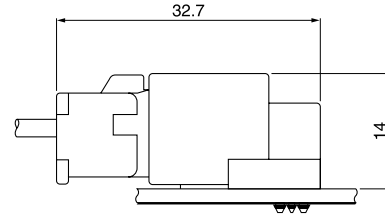


Model No.	Q'ty/box
CNB-01AH	120
Material and Finish	
Terminal: Brass, copper-undercoated, tin-plated (reflow treatment)	
Housing: Glass-filled PBT, Gray	
Shielding terminal: Brass, copper-undercoated, tin-plated (reflow treatment)	

PC board layout, Assembly layout



viewed from component side



Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
 2. Hole dimensions differ according to the type of PC board and piercing method.
 The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

• Conductor

Terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
CN-SAS1290	AP-K2N	MK/CN-SAP/S1	APLMK CN-SAP/S1

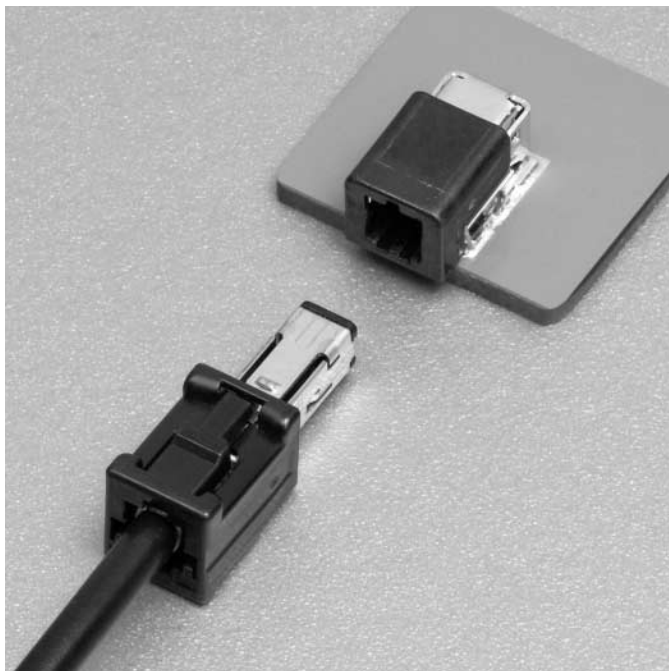
Crimp tool (Pneumatic press)

• Shielding part

Terminal	Crimp tool	Control unit
BCM-61T-4.6 (Loose piece)	MP-CN-BCM61	—
SCM-61T-4.6 (Chain)	MP-CN-SCM61	MP-CU-CN(S)

EA 2CONNECTOR

Board-to-wire/High frequency



Features

●High Reliability

Terminal structure for automotive equipments.
This small connector enables the retention force of more than 98 N with unique reinforcement tabs structure.

●Applicable Frequency 5.8 GHz

This connector is the most suitable for ETC/DSRC.

- VSWR : 1.5 Max
- Insertion Loss : -1.5dB Min

●Compact Design

Connector width : 7.4 mm/ Height : 6.3 mm

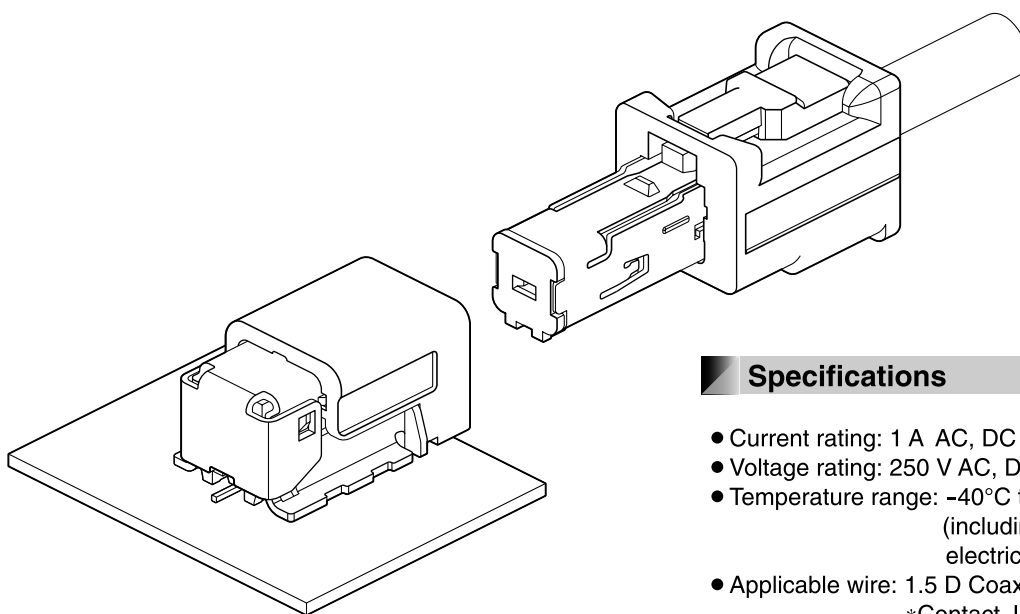
●Noise Performance

Excellent performance by metal shell shielding structure.

High Frequency Co-axial

This connector is for small high frequency coaxial signal which is suitable for automotive equipment such as ETC/DSRC, navigation system.

Applicable for surface mounting technology.

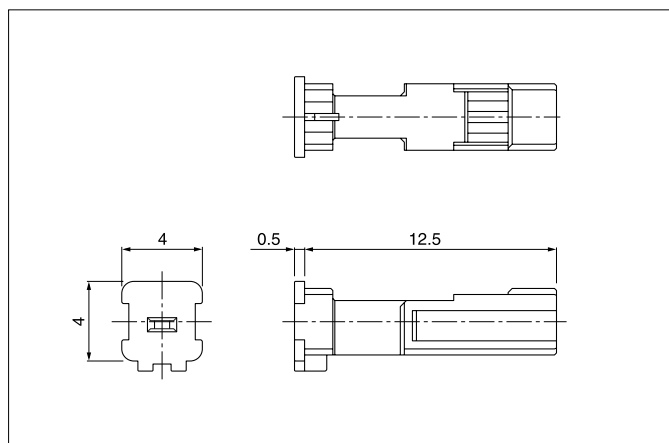


Specifications

- Current rating: 1 A AC, DC
- Voltage rating: 250 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Applicable wire: 1.5 D Coaxial cables
*Contact JST for detail about applicable wire.
- Characteristic impedance: 50 Ω
- Frequency range: DC to 6 GHz
- Circuit: Single (Coaxial)
- PC board mounting direction: Side entry (SMT)

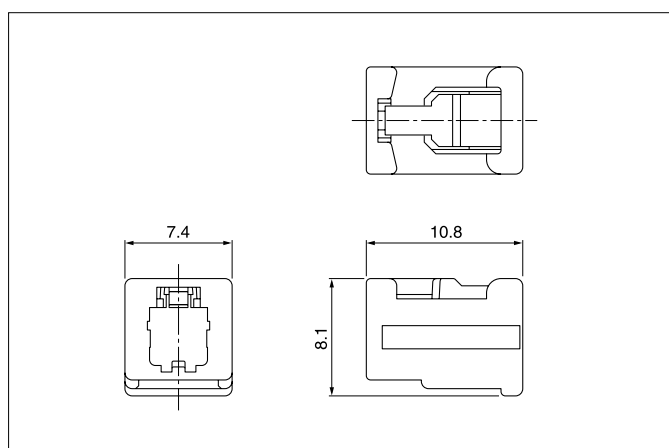
* Compliant with ELV/RoHS.
* Contact JST for details.

Inner housing of cable side



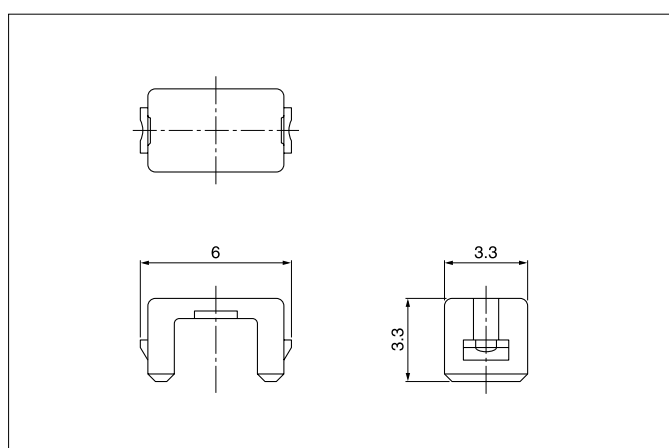
Model No.	Q'ty/box	Housing Color
EA2-PHN-2K	1,000	Black
Material and Finish		
Thermoplastic resin		

Outer housing of cable side



Model No.	Q'ty/box	Housing Color
EA2-PHG-1K	500	Black
Material and Finish		
Thermoplastic resin		

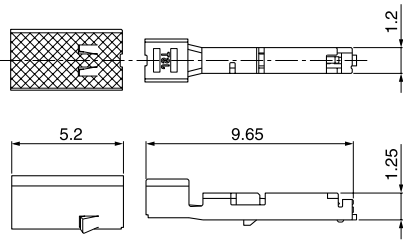
Retainer of cable side



Model No.	Q'ty/box	Housing Color
EA2-PRT-2H	4,000	Gray
Material and Finish		
Thermoplastic resin		

EA 2 CONNECTOR

Female terminal

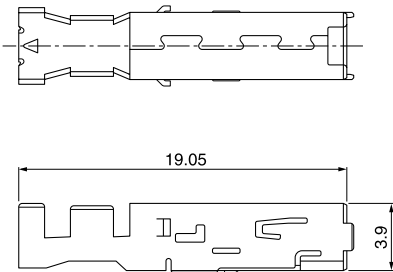


Model No.	Q'ty/reel
EA2-SCS542	10,000
Material and Finish	

Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; tin-plated

Note: This product displays (LF)(SN) on a label.

Shell of cable side

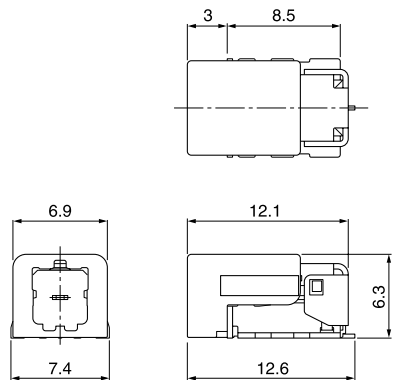


Model No.	Q'ty/reel
EA2-SSP3RPT	2,500
Material and Finish	

Copper alloy, tin-plated

Note: This product displays (LF)(SN) on a label.

Male connector

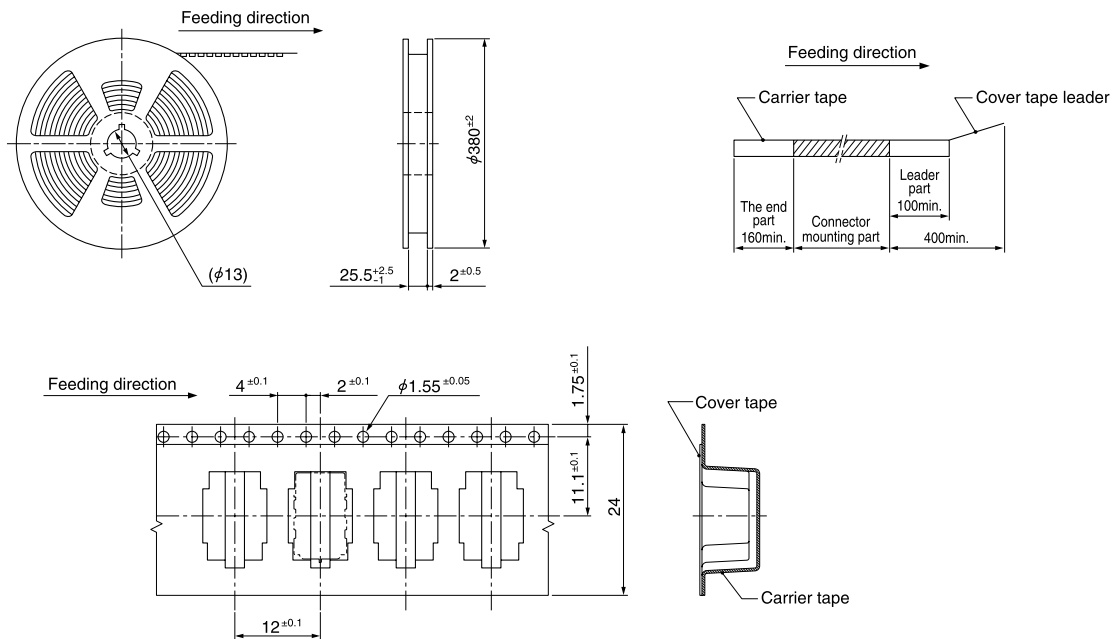


Model No.	Q'ty/reel
EA2-1RAS-12T100-K1-TR	1,000
Material and Finish	

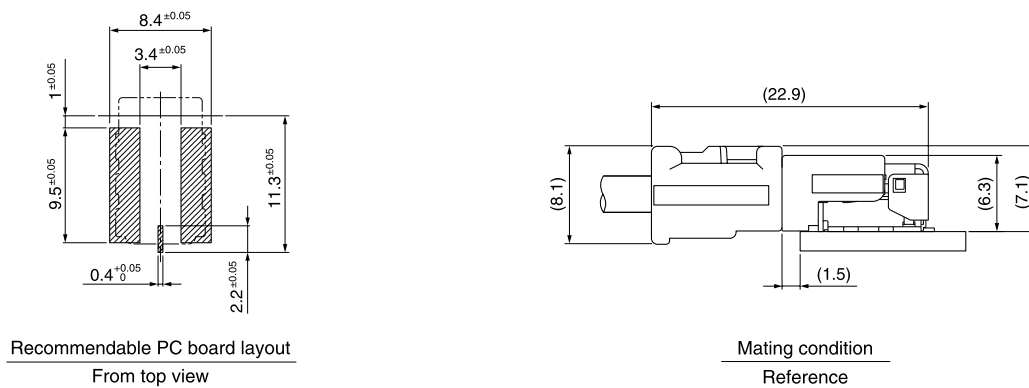
Inner housing: Heat resisting resin, Black
Outer housing: Heat resisting resin, Black
Contact: Copper alloy, nickel-undercoated,
Contact area; gold-plated
Solder tail; tin-plated
Shell: Copper alloy, copper-undercoated, tin-plated

Note: This product displays (LF)(SN) on a label.

Taping Specification



PC board layout, Assembly layout



Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

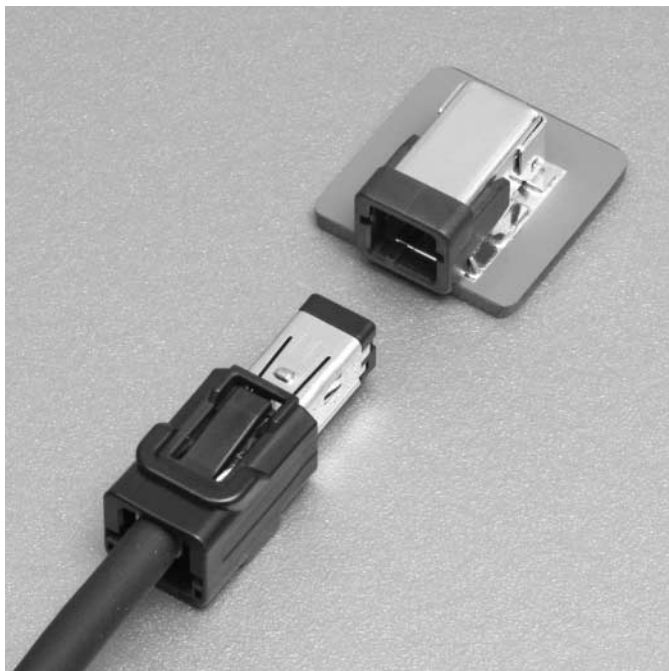
Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
EA2-SCS542	AP-K2N	MK/EA2-SCS	APLMK EA2-SCS

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

Jig

Jig	Hand crimp tool
Shell crimping jig	H2-CP-EA2
Hand press	HPD-M2A(R)

Note: Contact JST for details.



Features

●High Reliability

Terminal structure for automotive equipments.
This small connector enables the retention force of more than 98N with unique reinforcement tabs structure.

●High Speed Transmission

Corresponding to USB2.0 (480Mbps).

●Compact Design

Connector width: 10.7mm/ Height: 7.7mm

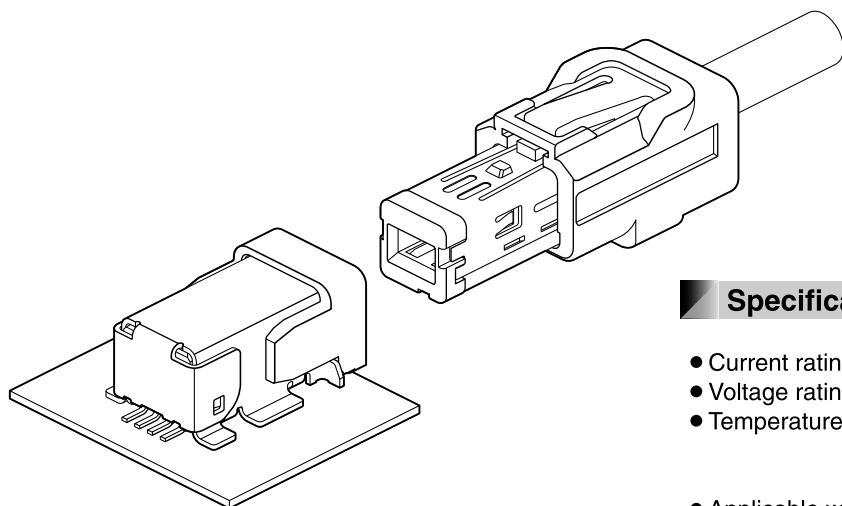
●Noise Performance

Excellent performance by metal shell shielding structure.

High Speed Differential Transmission

This connector is for high speed transmission which is suitable for automotive equipment such as ETC/DSRC, navigation system.

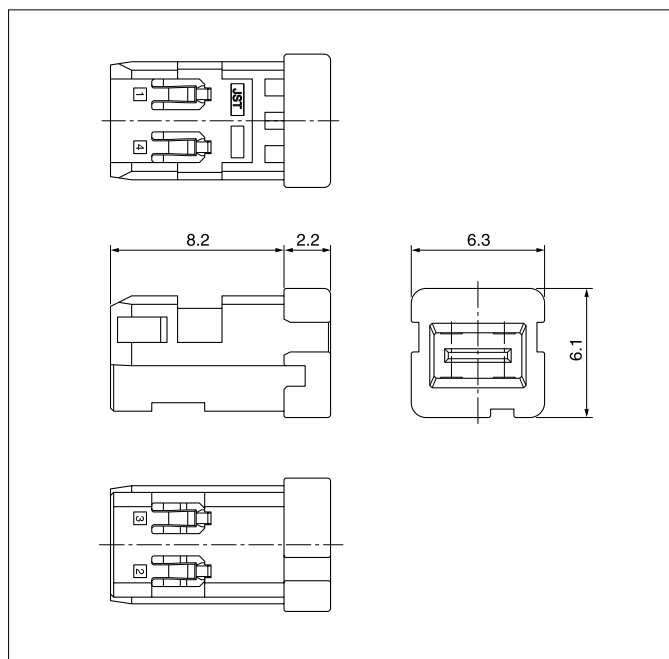
Applicable for surface mounting technology.



Specifications

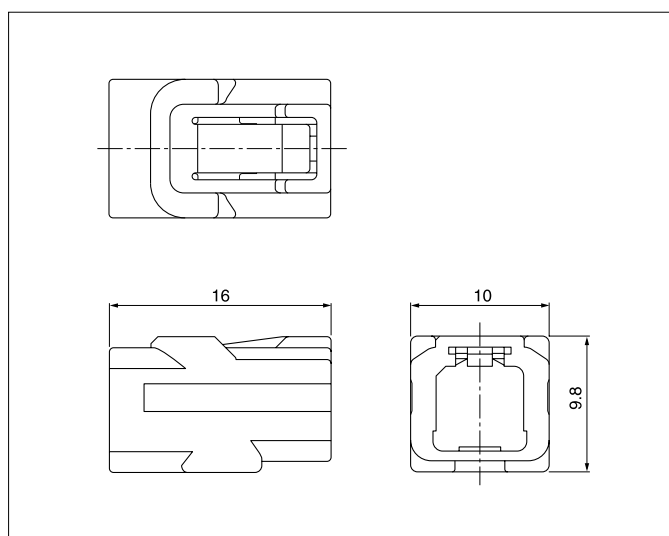
- Current rating: 1 A AC, DC (AWG #28)
 - Voltage rating: 30 V AC, DC
 - Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
 - Applicable wire: Inner conductor / AWG #28 to AWG #26
Sheath / $\phi 4$ mm
* Contact JST for detail about applicable wire.
 - Differential impedance: $90 \Omega \pm 20$
(Transmission characteristic conforms to USB2.0 (480 Mbps))
 - Circuits: 4-circuit
 - Keying features: 4 kinds of keying features
* Only one kind of keying features is under mass production.
 - PC board mounting direction: Side entry (SMT)
- * Compliant with ELV/RoHS.
* Contact JST for details.

Inner housing of cable side



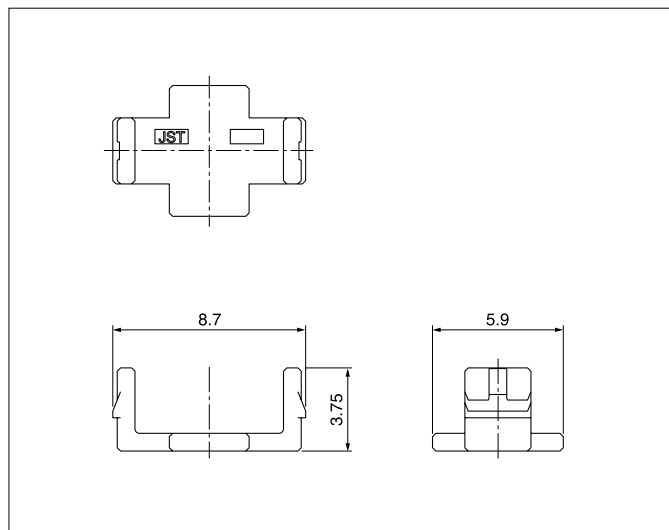
Circuits	Model No.	Q'ty/box	Housing Color
4	ASU-PHN4-K	500	Black
Material and Finish			
Thermoplastic resin			

Outer housing of cable side



Model No.	Q'ty/box	Housing Color
ASU-PHG4-K	250	Black
Material and Finish		
Thermoplastic resin		

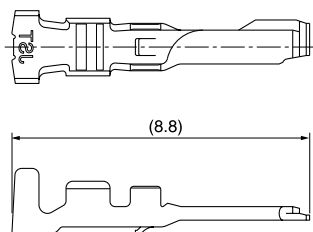
Retainer of cable side



Model No.	Q'ty/box	Housing Color
ASU-PRT-H	2,000	Gray
Material and Finish		
Thermoplastic resin		

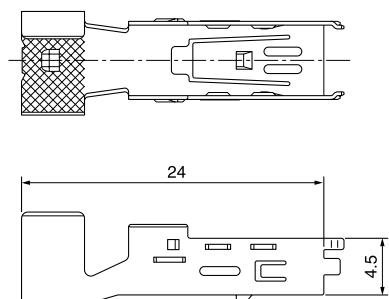
ASU CONNECTOR

Female terminal



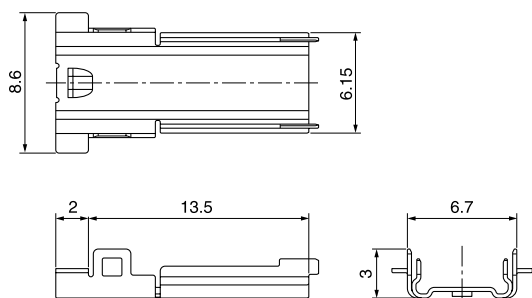
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SASU-002GD-P0.15	0.08 to 0.13	0.8 to 1.0	10,000
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

Shell of cable side



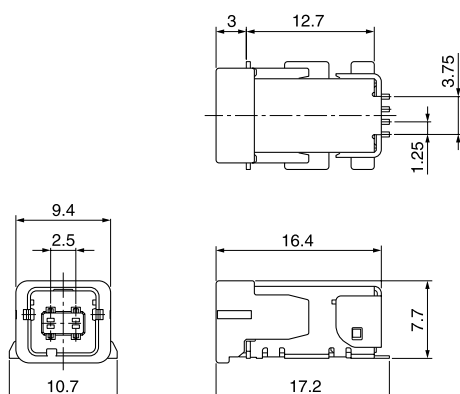
Model No.	Q'ty/reel
ASU-PS4-3RPT-1	1,200
Material and Finish	
Copper alloy, tin-plated	

Cover shell of cable side



Model No.	Q'ty/reel
ASU-PCS4-3RPT	5,000
Material and Finish	
Copper alloy, tin-plated	

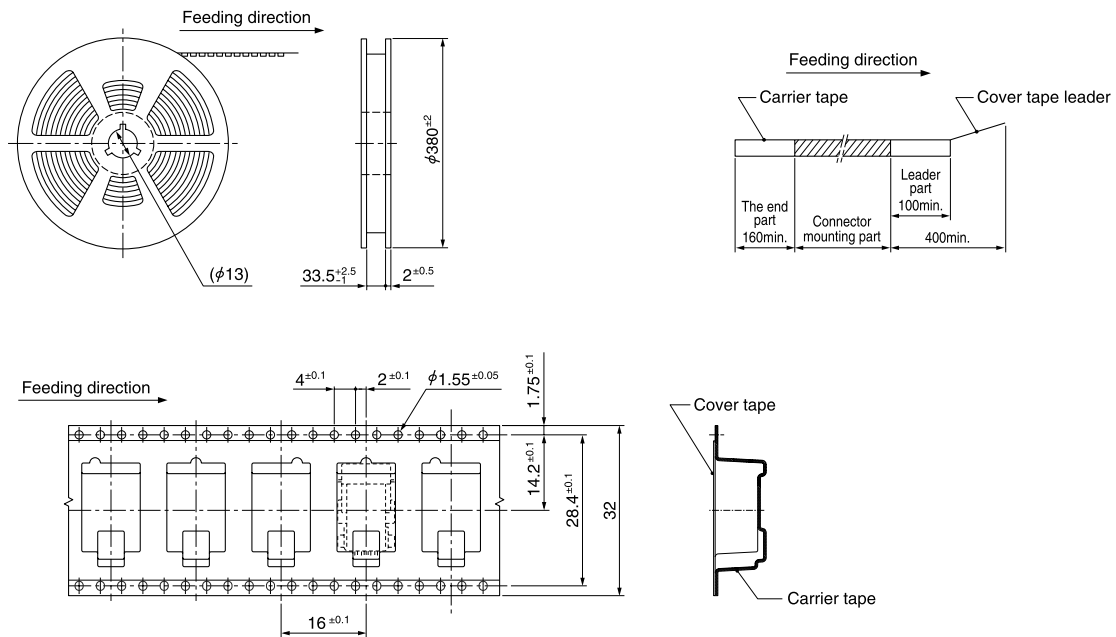
Male connector



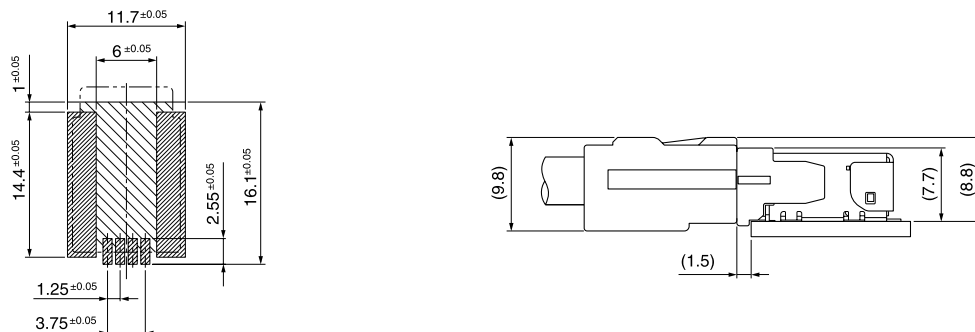
Circuits	Model No.	Q'ty/reel
4	ASU-4RASM-12T1-K1-TR	500
Material and Finish		
Inner housing: Heat resisting resin, Black Outer housing: Heat resisting resin, Black Contact: Copper alloy, nickel-undercoated, Contact are; gold-plated Solder tail; tin-plated		
Shell: Copper alloy, copper-undercoated, tin-plated		

Note: This product displays (LF)(SN) on a label.

Taping Specification



PC board layout, Assembly layout



Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SASU-002GD-P0.15	AP-K2N	MK/SASU-002-015	APLMK SASU-002-015

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

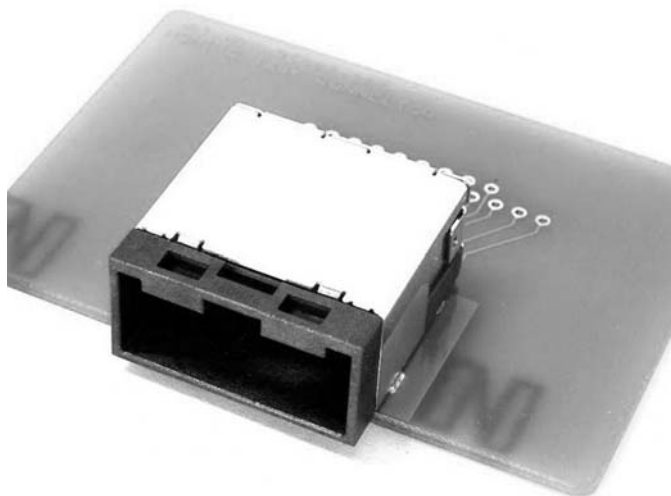
Jig

Jig	Hand crimp tool
Contact insertion jig	IT-CN-ASU
Shell insertion jig	H3-SIT-ASU
Shell crimping jig	H2-CP-ASU
Cover shell insertion jig	H3-CVIT-ASU
Retainer insertion jig	IT-RET-ASU
Hand press	HPD-M2A

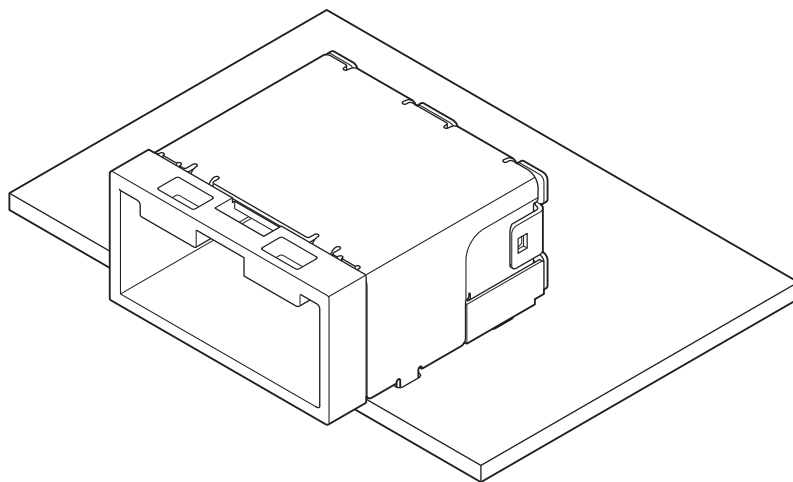
Note: Contact JST for details.

Features

- Miniaturized design
- Reflow surface mount type
- HDMI 1.4 standard compliant
- Robustness



This HIE connector complies with HDMI E Type for automobile equipment such as navigation system.

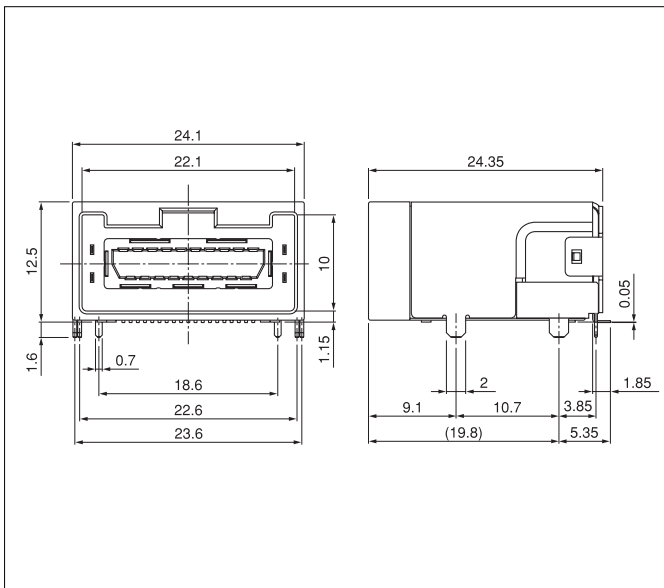


Specifications

- Current rating: 0.5 A AC, DC
- Voltage rating: 40 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental tests/ 30 mΩ max.
- Insulation resistance: 10 MΩ min.
- Withstanding voltage: 300 VAC/minute
- Characteristic impedance: 100 Ω ± 15% (Tr=200ps, 10-90%)

* Compliant with ELV/RoHS.
* Contact JST for details.

Connector

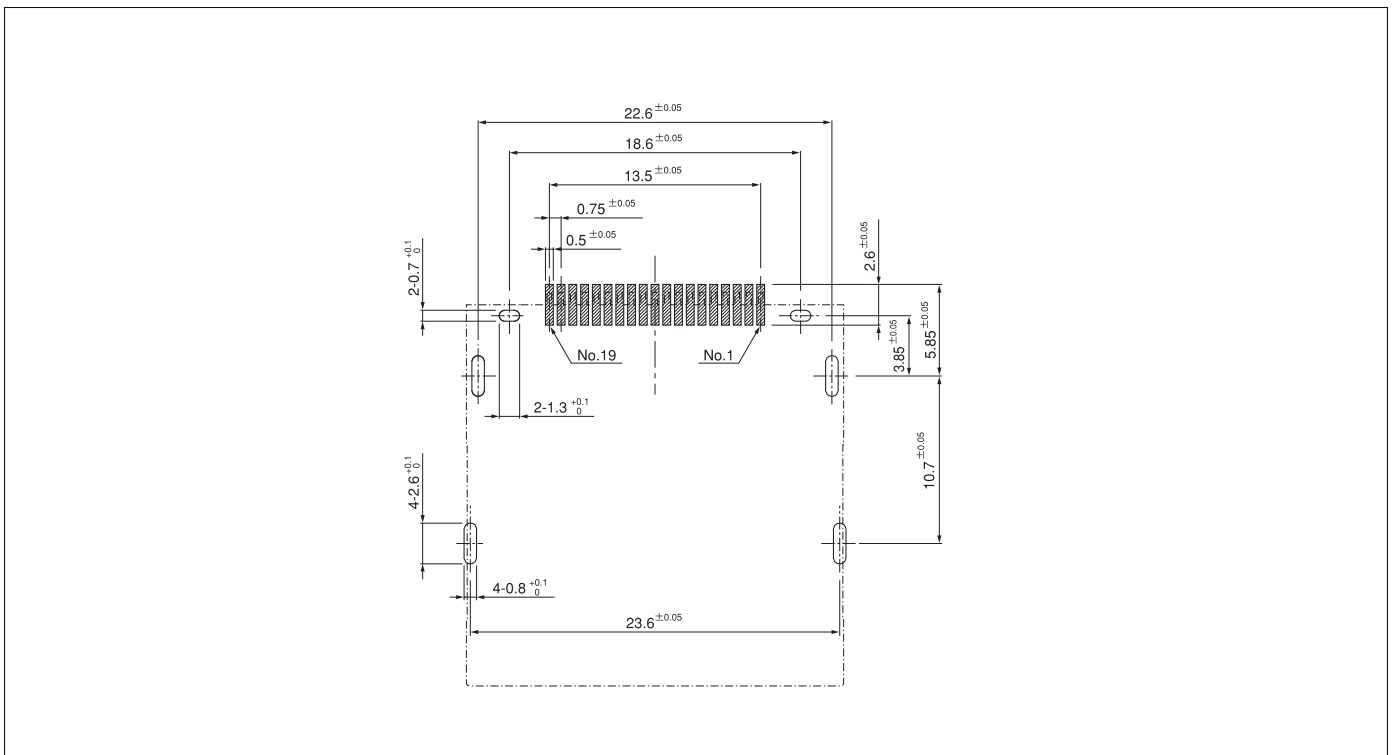


Circuits	Model No.	Q'ty/box
19	HIE-N19R-S02A	616

Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated
 Inner housing: Heat resisting resin, UL94V-0, Black
 Outer housing: Heat resisting resin, UL94V-0, Black
 Inner shell: Stainless steel, nickel-undercoated, tin-plated
 Outer shell: Stainless steel, nickel-undercoated, tin-plated

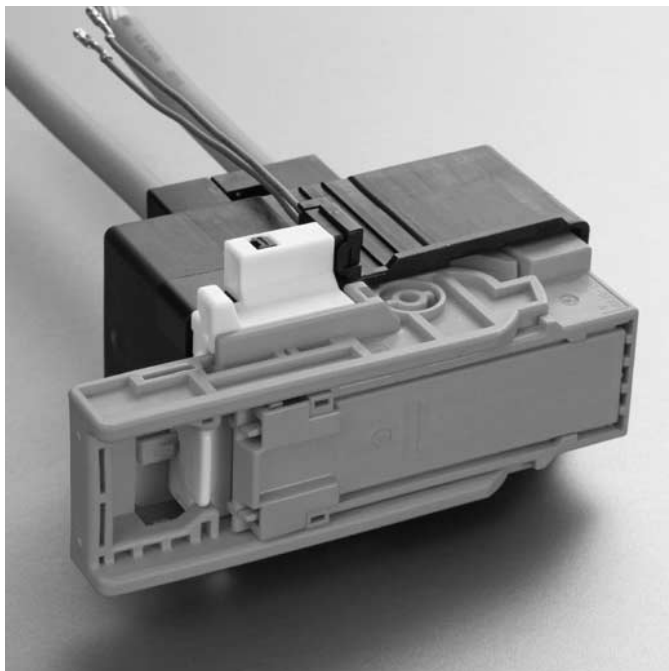
PC board layout



Note: 1. The above figure is the figure viewed from the connector mounting side.
 2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
 The dimensions above should serve as guideline. Contact JST for details.

SPH2 CONNECTOR

High voltage



Features

●Mating

Lever mechanism realized low insertion force.

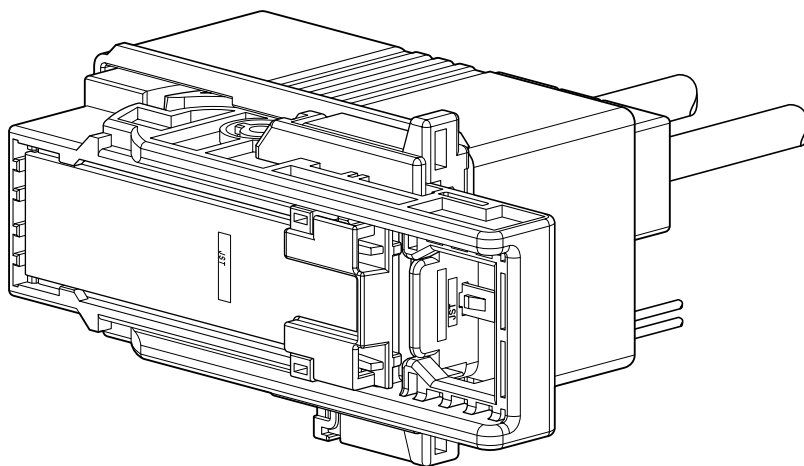
●Mating detection

This connector has a mechanism detecting a mating state electrically.

●Built-in fused connector

●Compatible with High Current

This is the connector for power supply cutoff switch used for the battery unit of hybrid car, etc.
This connector is realized low insertion force by using lever mechanism, and has a mechanism detecting a mating state electrically and fuse, etc.



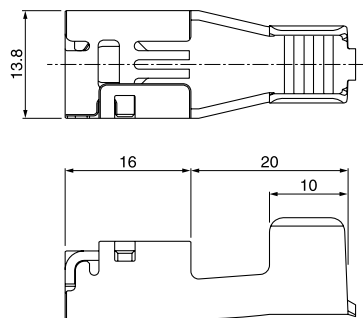
Specifications

- Current rating: Power/ 100 A DC max.
Signal/ 5 A DC max.
- Voltage rating: 450 V DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 3 mΩ max.
After environmental tests/ 10 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 2,500 VAC/minute
- Applicable wire: Power/ EEX 15 mm², 20 mm²
Signal/ AVSS 0.3 mm² to 0.5mm²

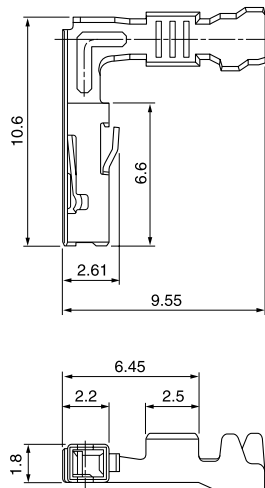
* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

Power (PEG Female terminal)

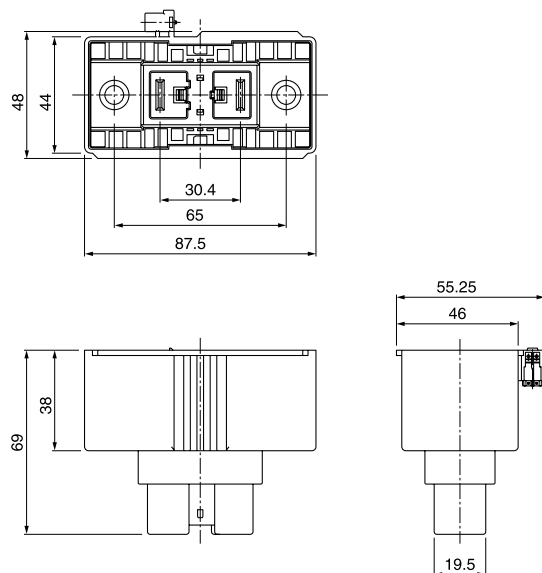


Signal (SQS Female terminal)



Model No.		Applicable wire range		Q'ty
		Conductor (mm ²)	Insulation O.D. (mm)	
Power	SPEG-A18T-M9.5	15 to 20	8.9 max.	108/box
Signal	SQS-A03GF-P-P	0.3 to 0.5	1.0 to 1.6	6,500/reel
Material and Finish				
Power/ PEG Terminal: Copper alloy, tin-plated				
Signal/ SQS Terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated (0.4 μm min.)				

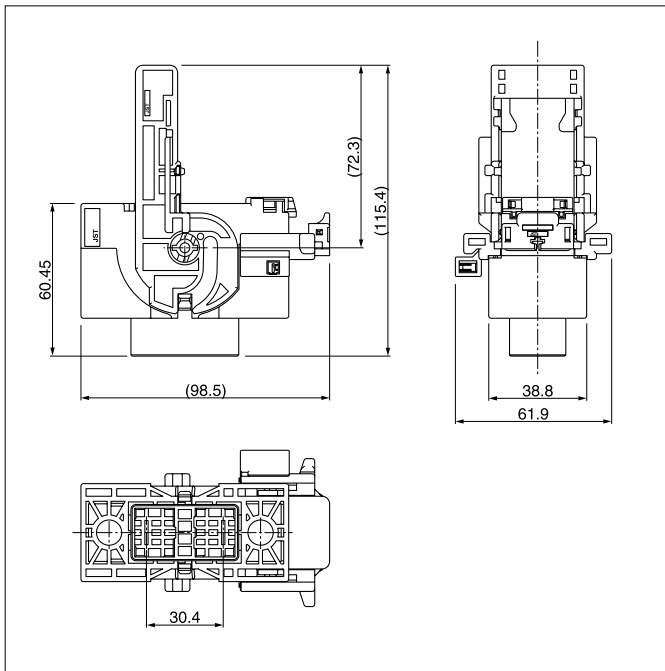
Female connector



Model No.	Q'ty/box
02SPH2-R-1K	32
Material and Finish	
Housing: Glass-filled PBT	
Bush: SUM24L, zinc-plated	

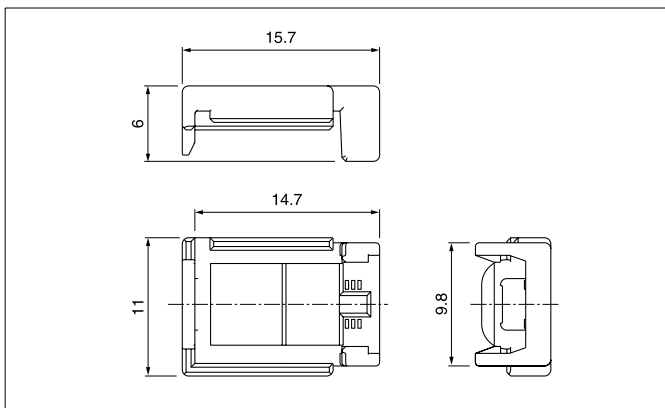
SPH2 CONNECTOR

Male connector



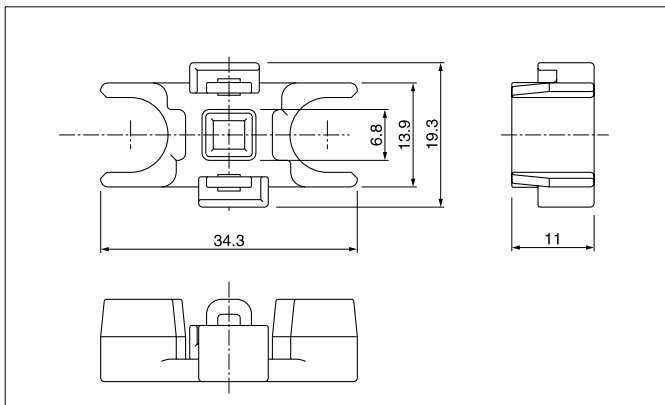
Model No.	Q'ty/box
02SPH2-P-1D	12
Material and Finish	
Housing: Glass-filled PBT	
Power terminal: Oxygen free copper, tin-plated	
Signal terminal: Brass, thin gold-plated	
Stopper: Glass-filled PBT	
Fuse cover, Lever, CPA: Glass-filled PBT	
Fuse: 125A EV FUSE	
For fixing fuse: M6 Bolt/ SWCH45K, zinc-plated	
: M6 Nut/ SUM24L, zinc-plated	
: Washer/ SWRH 55 to 57, zinc-plated	

Rear cover



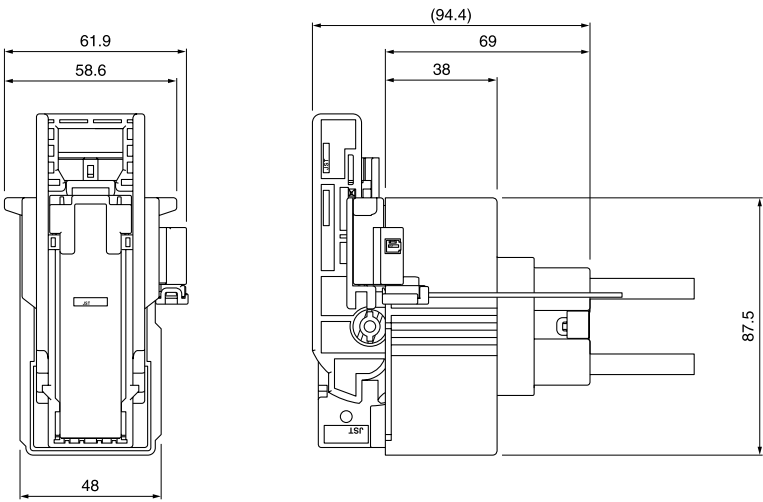
Model No.	Q'ty/box	Color
SPH2RC-02H-1K	1,200	Black
Material and Finish		
PA 66		

Rear holder



Model No.	Q'ty/box	Color
SPH2RH-02H-1K	300	Black
Material and Finish		
PA 66		

Assembly layout



Crimping machine, Applicator

Strip terminal	Battery tool	Dies			
		Yoke	Crimper	Crimper anvil (20sq)	Crimper anvil (15sq)
SPEG-A18T-M9.5	BCT-860N	6019-4101	6019-4102	6019-4103	6019-4104

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SQS-A03GF-P-P	AP-K2N	MK/SQS-A03-P	APLMK SQS-A03-P

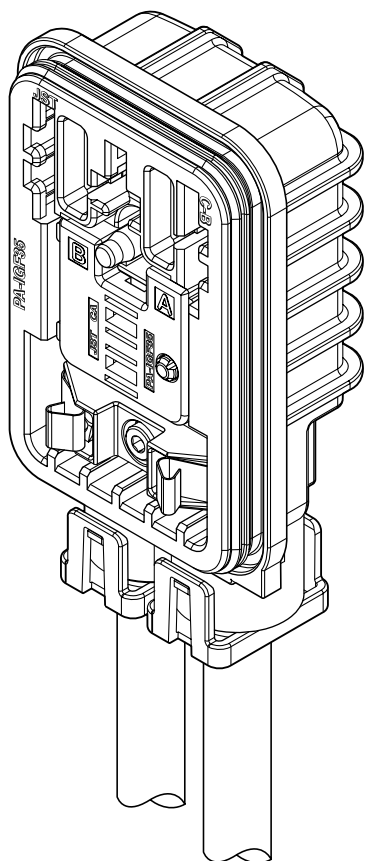
Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

HVGW CONNECTOR

Sealed, Shield connector/High voltage



2 Circuits 14.5 Sealed, Shielded Connector System.
Designed for high current, high voltage applications in
an Automotive environment.



Features

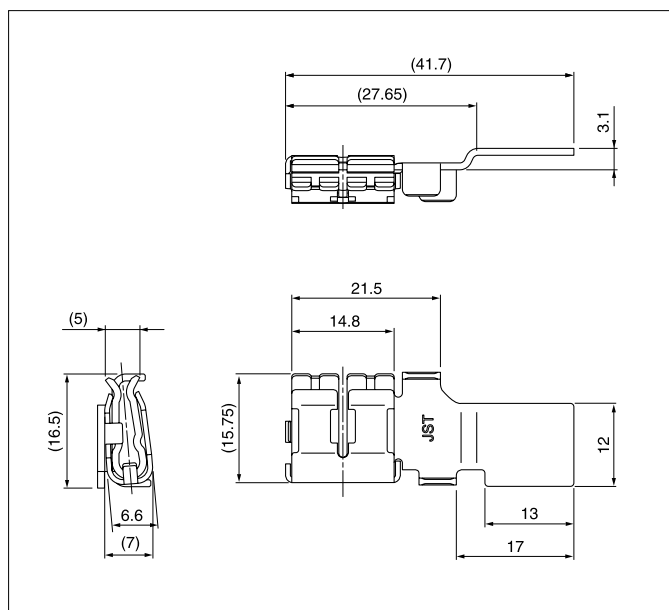
- 2 circuits: 14.5 terminals
- Sealed, Shielded, High Current, High Voltage Connector
- Over 98% shielding coverage
- HVIL (optional) feature available
- Bolt driven mating design

Specifications

- Current rating: 135 A DC continuous
- Voltage rating: 300 V DC continuous
- Temperature range: -40°C to +125°C
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,600 VAC/minute
- Applicable wire: Champlain shielded battery cable
Champlain P/N: 15-07603-001 or equivalent

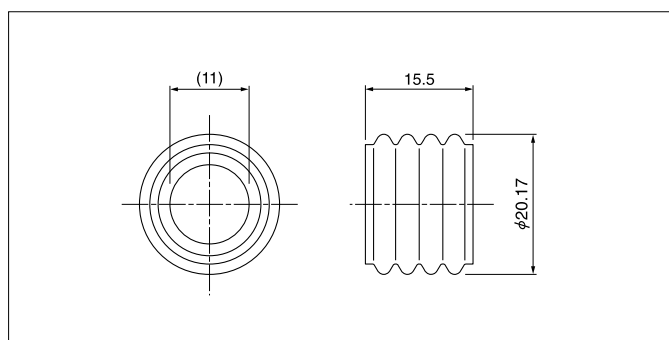
* Compliant with ELV/RoHS.
* Contact JST for details.

HVG terminal



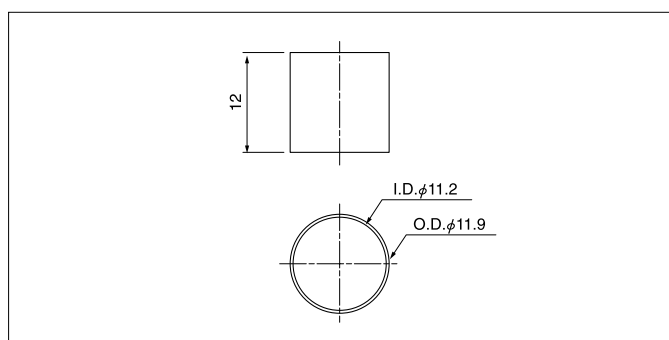
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
AHVG-350B-C1500	35	12.44	200
Material and Finish			
Core terminal; Copper alloy, silver-plated (anti-tarnish treatment)			
Reinforcement; Stainless steel			

Cable seal



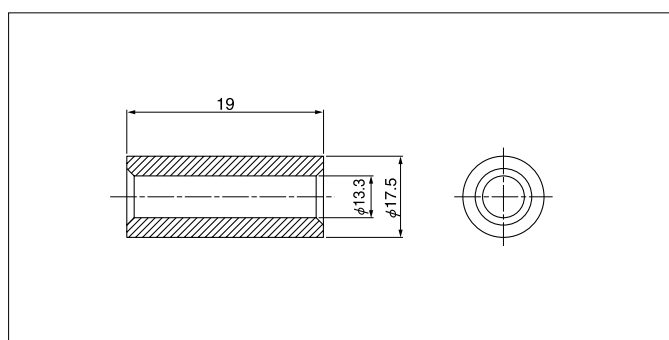
Model No.	Q'ty/box
HVGW-WS-AM	1,500
Material and Finish	
Silicone, Green	

Inner ferrule



Model No.	Q'ty/box
HVGWF-120T-A180	100
Material and Finish	
Copper alloy, tin-plated	

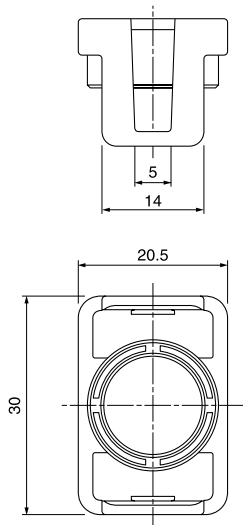
Outer ferrule



Model No.	Q'ty/box
P-70	50
Material and Finish	
Copper, tin-plated	

HVGW CONNECTOR

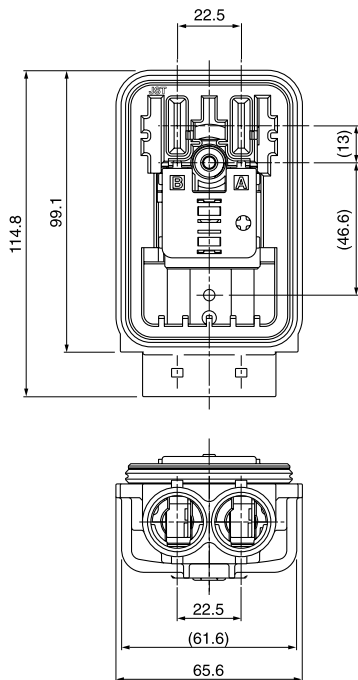
Back cover



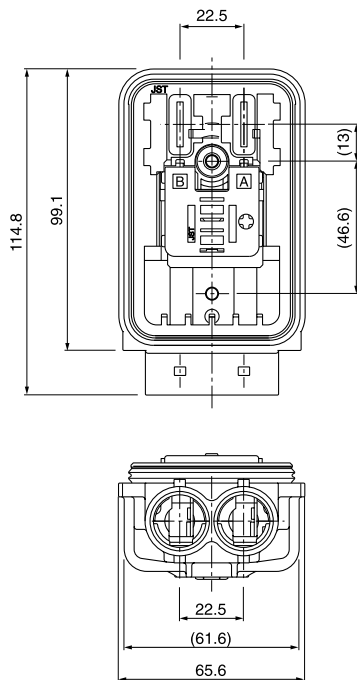
Model No.	Q'ty/box
HVGW-SC-AK	1,500
Material and Finish	
Glass-filled PA, Black	

Female connector, Sub assembly

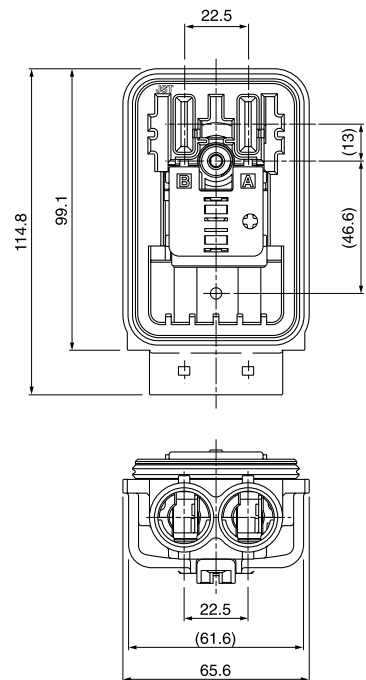
• HVGWPB-G02-AD



• HVGWPB-G02-BD



• HVGWPB-P02-AD(HVIL attachment feature)

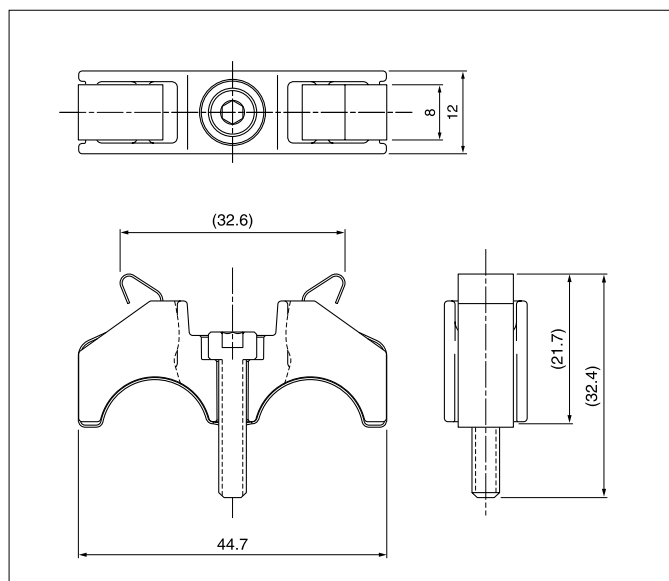


Circuits	Type code	Model No.	Q'ty/box	HVIL attachment feature
2	A	HVGWPB-G02-AD	56	No
		HVGWPB-P02-AD	56	Yes
	B	HVGWPB-G02-BD	56	No

Material and Finish

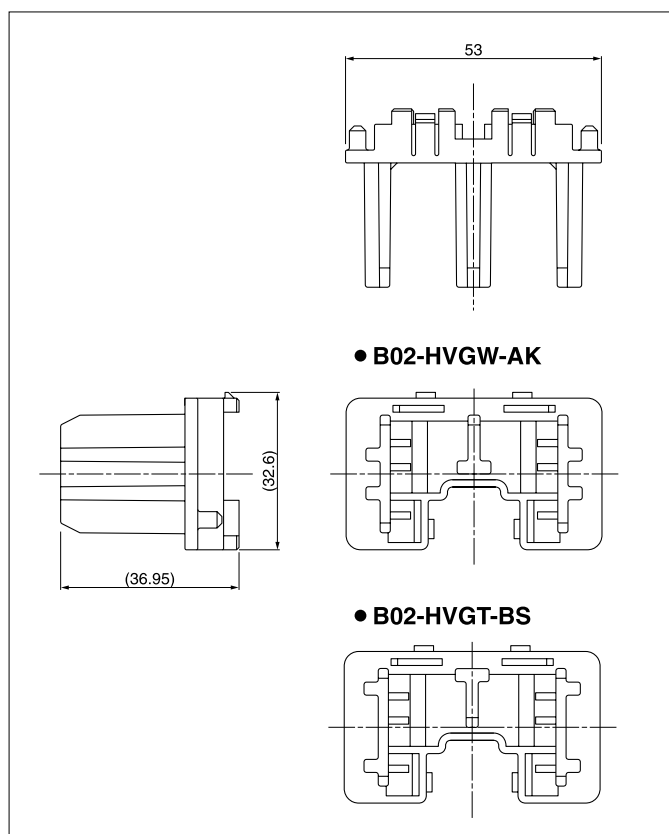
Housing: Glass-filled PA, Black
Shield cover: Aluminium alloy
M4 bolt: Steel, zinc-plated
M6 bolt: Steel, zinc-plated
O-ring: Silicon, Red
Retaining clip: Steel, Black
Ring seal: Silicone, Green
TPA: Glass-filled PA, Natural (White)
HVIL attachment: PBT, Black

Yoke assembly



Model No.	Q'ty/box
HVGWB-Y-AS	360
Material and Finish	
Yoke block: Zinc alloy Yoke spring: Copper alloy, tin-plated M4 bolt: Steel, zinc-plated	

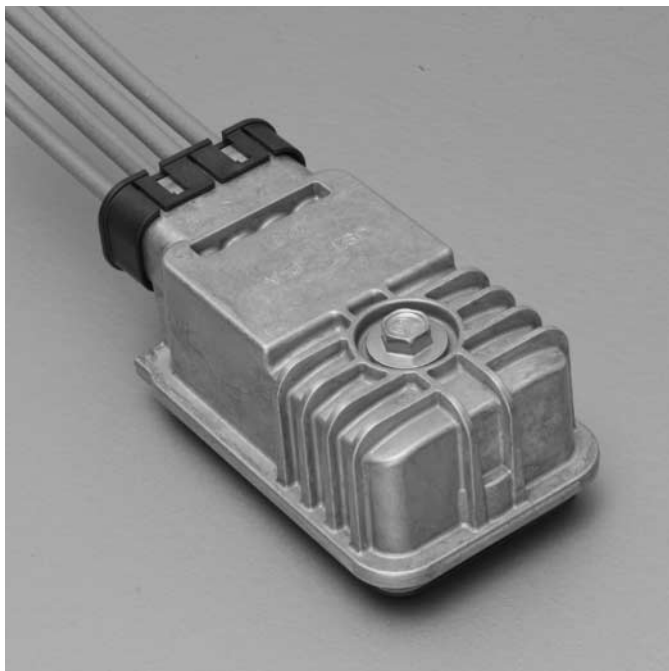
Plastic Insert



Circuits	Type Code	Model No.	Q'ty/box	Color	Applicable Connector
2	A	B02-HVGW-AK	500	Black	HVGWPB-G02-AD HVGWPB-P02-AD
	B	B02-HVGT-BS	500	Natural (White)	HVGWPB-G02-BD
Material and Finish					
Glass-filled PA					

HVGTCONNECTOR

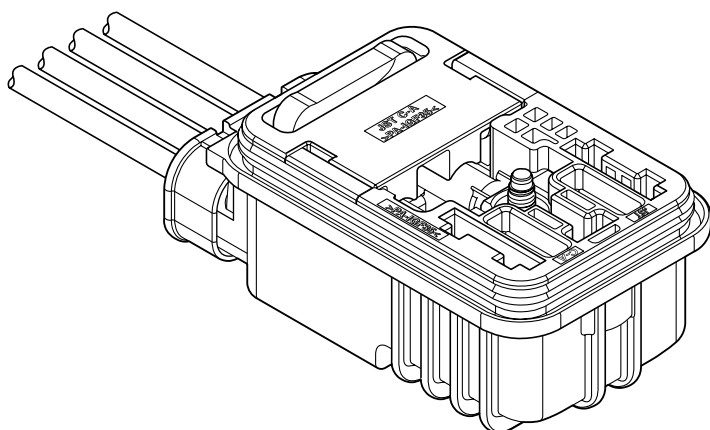
Sealed, Shield connector/High voltage



Features

- 2 Input circuits: 14.5 terminals
- 4 Output circuits: AWG #10 wire
- Sealed, Shielded, Fused Connector
- Over 93% shielding coverage
- Bolt driven mating design

2 Circuits 14.5 Sealed, Shielded, Fused Connector System in an Automotive environment.
Designed for high voltage applications, requiring Fusing and Splitting.

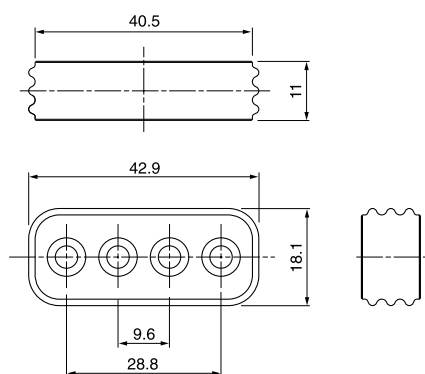


Specifications

- Current rating: 30 A DC continuous
- Voltage rating: 300 V DC continuous
- Temperature range: -40°C to +125°C
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 1,600 VAC/minute
- Applicable wire: Champlain shielded battery cable
Champlain P/N: 15-07460 or equivalent

* Compliant with ELV/RoHS.
* Contact JST for details.

Matte seal

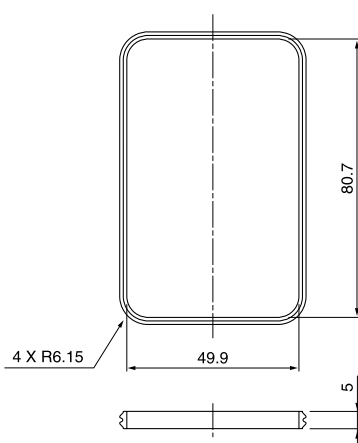


Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
HVGTMS-04-BM	5	5.54	500

Material and Finish

Silicon, green

Interface seal

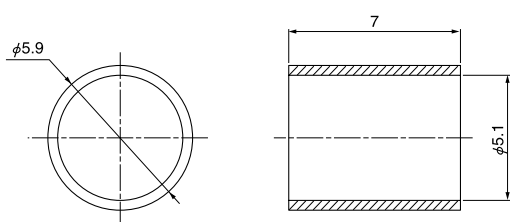


Model No.	Q'ty/box
HVGRS-02-M	1,000

Material and Finish

Silicone, green

Inner ferrule

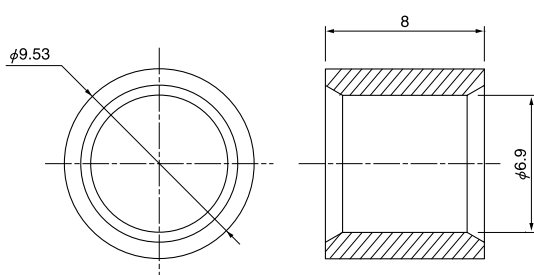


Model No.	Q'ty/box
HVGTF-59T-A70	100

Material and Finish

Copper alloy, tin-plated

Outer ferrule



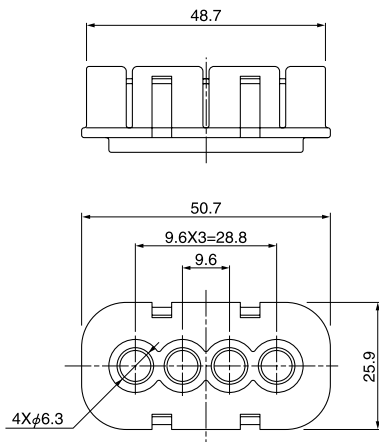
Model No.	Q'ty/box
HVGTF-95T-A80	1,000

Material and Finish

Copper alloy, tin-plated

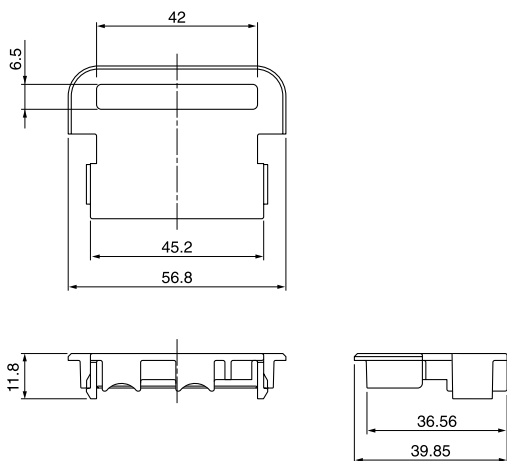
HVGT CONNECTOR

Seal cover



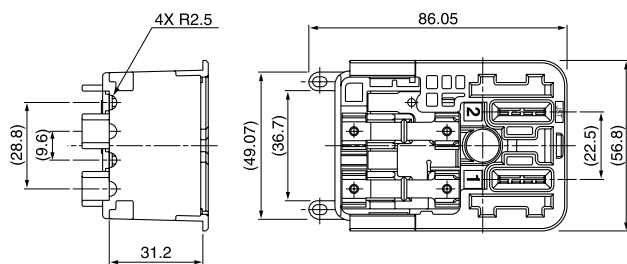
Model No.	Q'ty/box
HVGTSC-04-BK	500
Material and Finish	
Glass-filled PA, Black	

Fuse cover



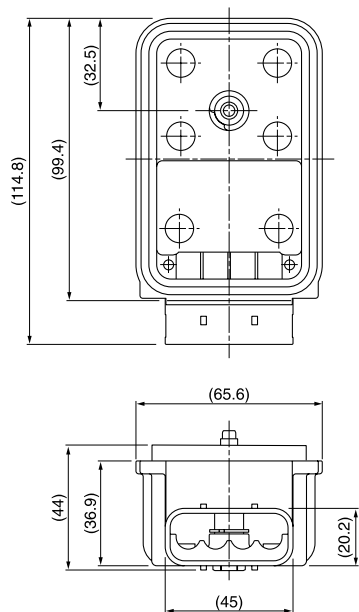
Model No.	Q'ty/box
HVGT-FC02-BK	500
Material and Finish	
Glass-filled PA, Black	

Female plastic connector assembly



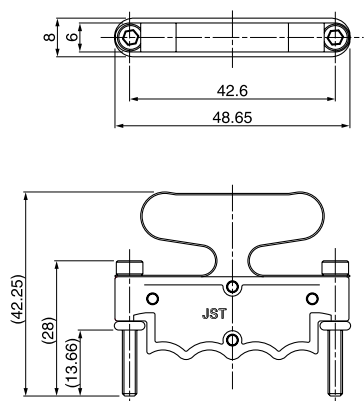
Circuits	Model No.	Q'ty/box
2	HVGTPB-E02-BK	56
Material and Finish		
Housing: Glass-filled PA, Black		
HVGT core terminal: Copper alloy, silver-plated		
Terminal reinforcement: Stainless steel		
Fuse clip: Copper alloy, nickel-plated		

Female shield cover assembly



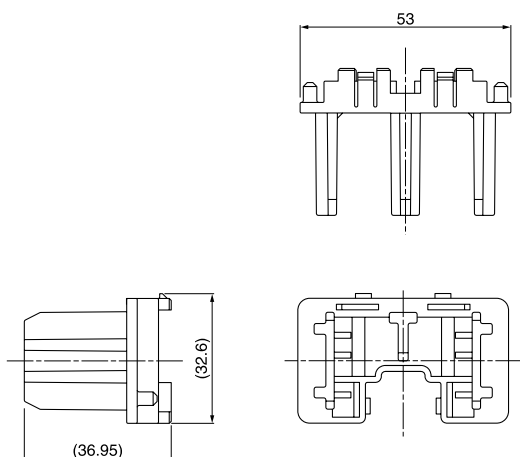
Circuits	Model No.	Q'ty/box
2	HVGTB-SCB-BS	56
Material and Finish		
Shield cover: Aluminium alloy		
M6 bolt: Steel, zinc-plated		
O-ring: Silicon, Red		
Retaining clip: Steel, Black		

Yoke assembly

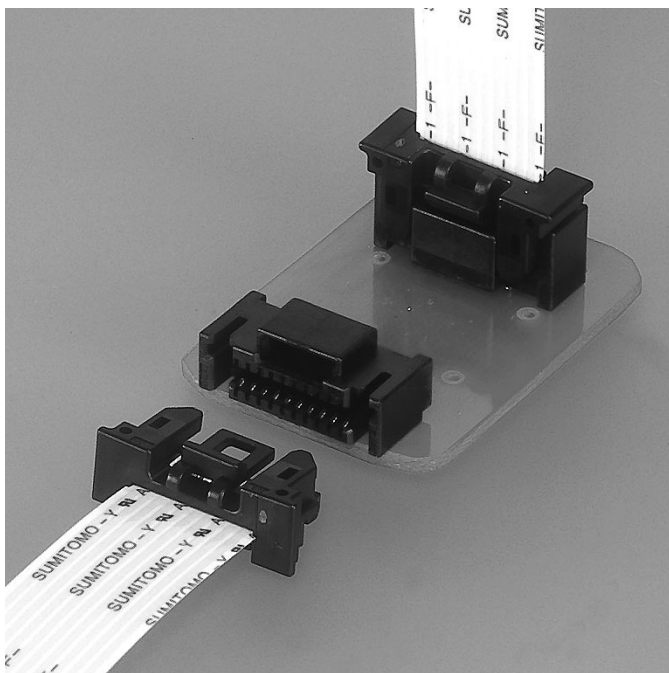


Model No.	Q'ty/box
HVGTB-YA-BS	240
Material and Finish	
Yoke block: Zinc alloy	
Yoke spring: Copper alloy, tin-plated	
O-ring: Silicone, Red	
M3 bolt: Steel, zinc-plated	

Plastic Insert



Circuits	Type Code	Model No.	Q'ty/box	Applicable Connector
2	B	B02-HVGT-BS	500	HVGTPB-E02-BK
Material and Finish				
Glass-filled PA, Natural (White)				



The FOX connector for FFC achieves high operability on the automobile assembly process. In addition, locking structure is provided on the FFC side to improve reliability of the connector.

Features

●Reliable locking structure

Locking structure is provided on the FFC side to prevent incomplete mating and improve FFC retention force greatly.

●High resistance to scooping (kojiri)

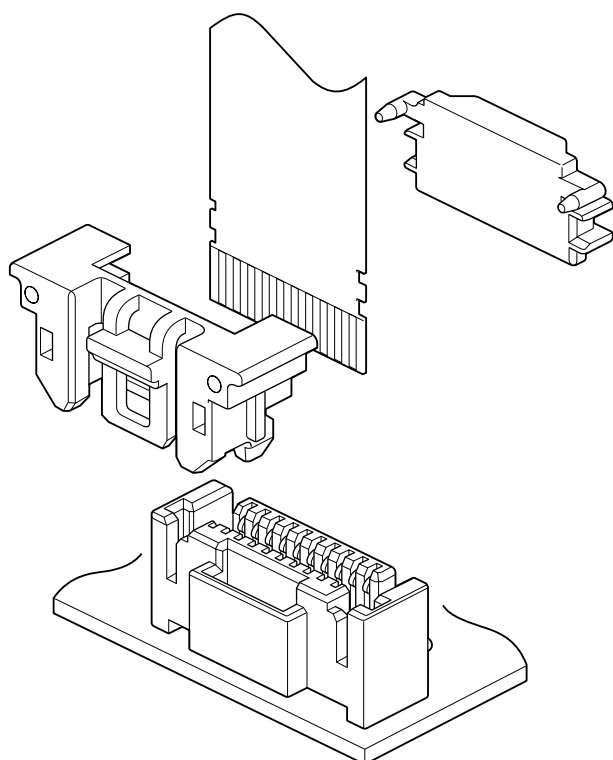
This connector has high resistance to scooping (kojiri) insertion and withdrawal as well as general connectors for automobile by mounting a plug housing and a retainer on the FFC side.

●Temporary board retention feature

The connector can be temporarily held on a printed circuit board by clinching the contact solder tail. It prevents lifting of the connector.

●Two types of connections

This connector is available in top and side entry type depending on its mounting designs.

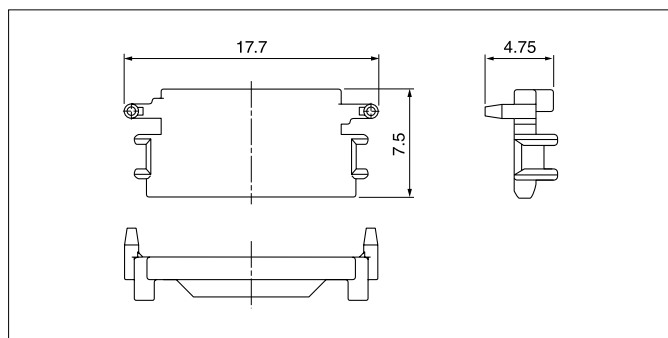


Specifications

- Current rating: 1.5A AC, DC
- Voltage rating: 12V AC, DC
- Temperature range: -40°C to +90°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.
After environmental testing/30mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 500V AC/minute
- Applicable FFC: Lead material/Tin-plated annealed copper foil
Lead pitch/1.25mm
Lead width/0.8mm
Mating part thickness/0.3±0.05mm
- Applicable PC board: Thickness/1.6mm
Hole size/0.8±0.1mm (Through-hole)

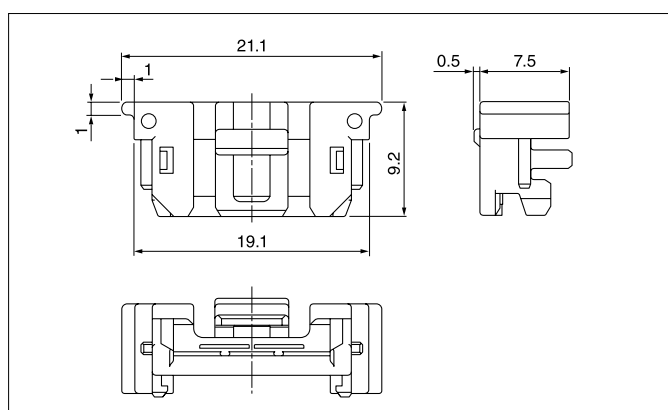
* Compliant with ELV/RoHS.
* Contact JST for details.

Plug housing



Circuits	Model No.	Q'ty/box
10	FOXP-10K	500
Material		
Glass-filled PPS, black		

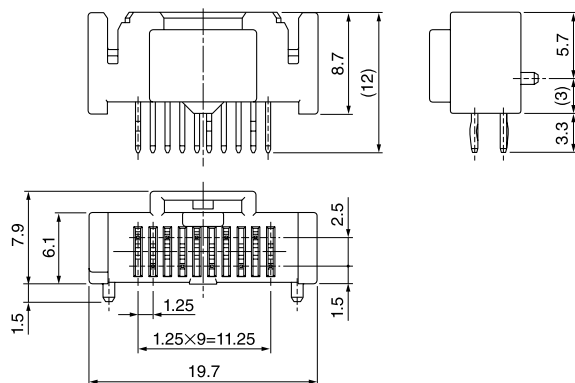
Retainer



Circuits	Model No.	Q'ty/bag
10	FOXs-10K	500
Material		
Glass-filled PPS, black		

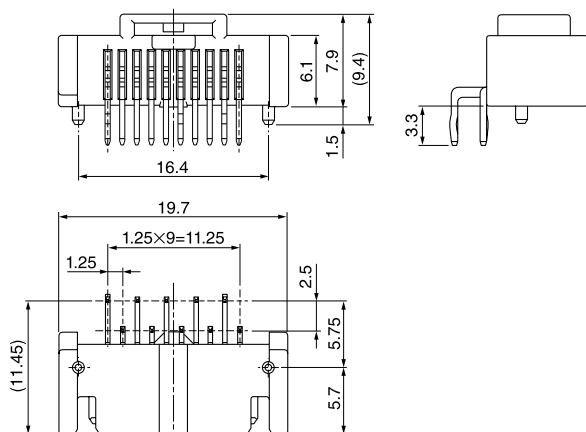
Header

Top entry type



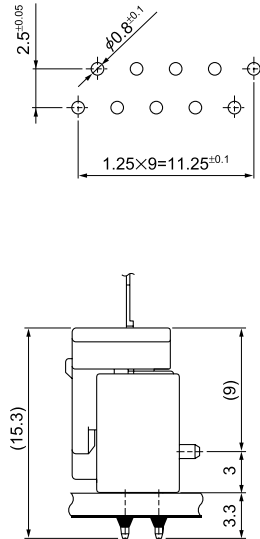
Circuits	Model No.		Q'ty/box
	Top entry type	Side entry type	
10	B10-FOXK-LF	S10-FOXK-LF	231
Material and Finish			
Terminal: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Housing: Glass-filled PPS, black			

Side entry type

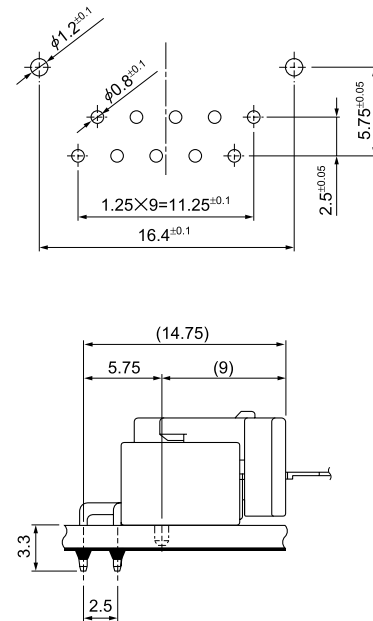


PC board layout, Assembly layout

Top entry type

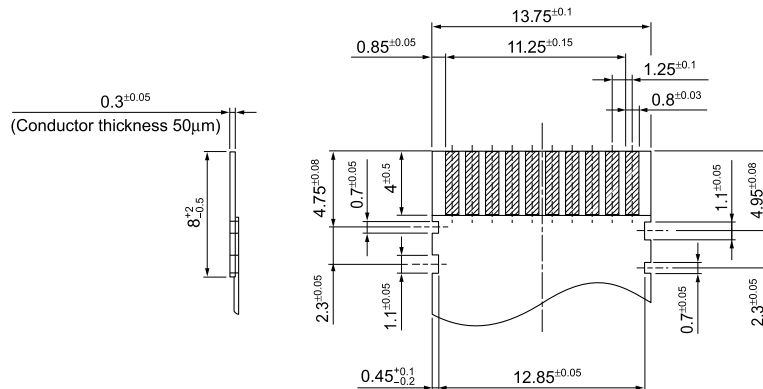


Side entry type



Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
 2. Hole dimensions differ according to the type of PC board and piercing method.
 The dimensions above should serve as guideline. Contact JST for details.

Lead section dimensions of FPC





Features

●2.3(090) Terminal Sealed Connector

●Anti Vibration Mechanism

Special vibration durability structure with spring lock enables to keep higher durability at shock and vibrated environment. This connector can be used as an engine direct attachment connector.

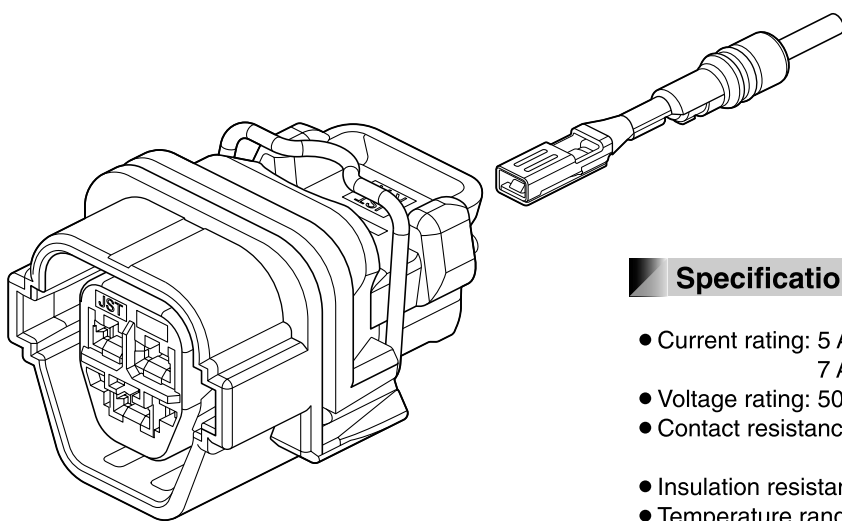
●Retainer (Secondary Lock)

Prevent the insufficient insertion of the terminal.

●Compact Design

2X1 terminal sequence is realized miniaturization.

2.3(090) terminal sealed connector with high vibration durability.
Reduce abrasion by the vibration, and high reliability is provided.

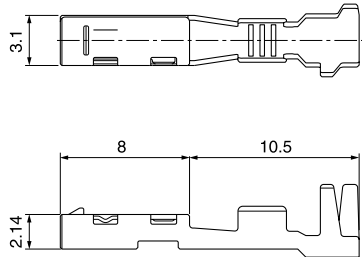


Specifications

- Current rating: 5 A AC, DC (0.5 mm²)
7 A AC, DC (0.75 mm²)
- Voltage rating: 50 V AC, DC
- Contact resistance: Initial value/ 3 mΩ max.
After environmental tests/ 10 mΩ max.
- Insulation resistance: 100 MΩ min.
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Applicable wire: AVSSH 0.3f to 0.75f
(Contact JST for other applicable wires)

* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal



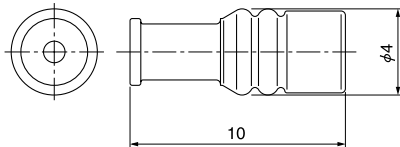
Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
S	SNORS-A021T-M2.3	0.3 to 0.5	1.4 to 1.7	4,500
M	SNORS-A041T-M2.3	0.75 to 1.25	1.8 to 2.2	4,500

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Note: This product displays (LF)(SN) on a label.

Wire seal

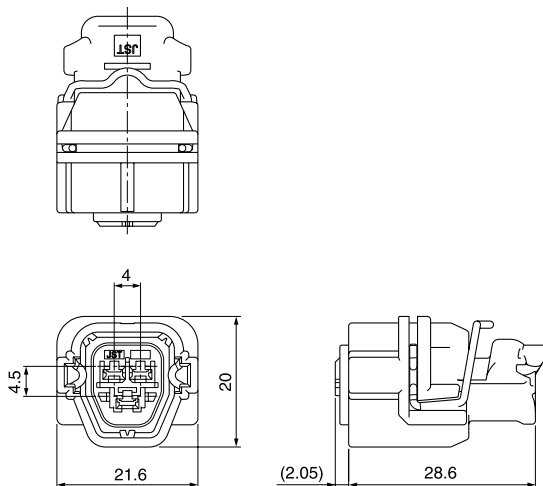


Size	Model No.	Applicable wire range		Q'ty/box
		Conductor (mm ²)	Insulation O.D. (mm)	
S	NORWS-NS	0.3 to 0.75	1.4 to 1.9	2,000

Material and Finish

Silicone, Brown

Female connector



Circuits	Model No.	Q'ty/box
3	03NFG-B-1A	960

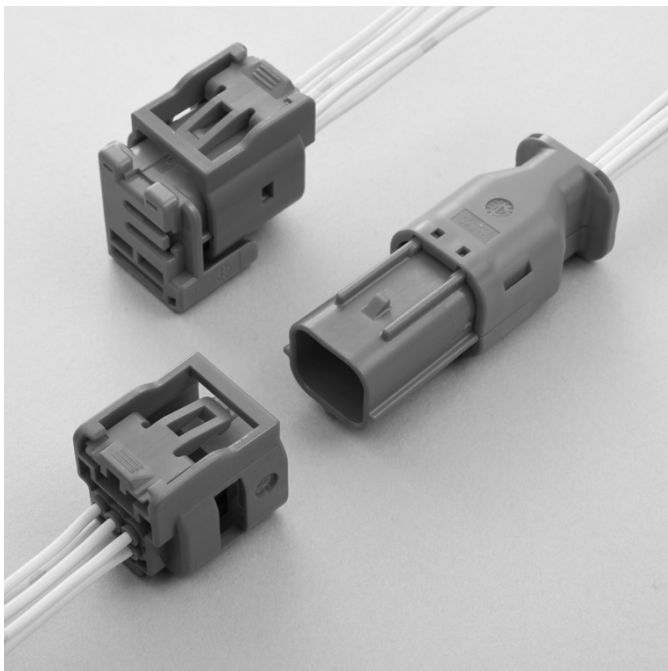
Material and Finish

Housing: Glass-filled PBT, Black
Retainer: Glass-filled PBT, Natural (White)
Seal ring: Silicone, Brown
Spring lock: SUS, Silver

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNOR-A021T-M2.3	AP-K2N	MK/SNORS-A021-23	APLMK SNORS-A021-23
SNOR-A041T-M2.3		MK/SNORS-A041-23	APLMK SNORS-A041-23

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



Features

- **Compliant with the ISO19689**

Compliant with the ISO19689 which is the Motorcycle OBD standard connector.

- **Individual Sealed Connector**

Individual sealed connector with 0.64 mm terminal, 3.0 mm X 3.0 mm pitch.

- **Pre-set Retainer**

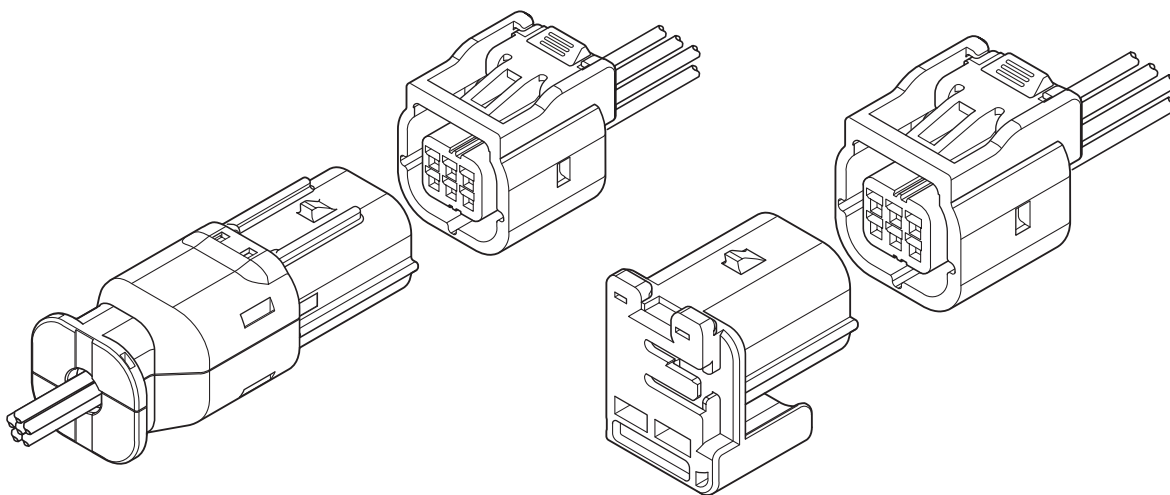
Simple assemble harnesses, due to there is no necessity to add retainer afterwards.

- **Selectable to the installation direction to the body**

The protection cover is designed to set the connector in a vertical or horizontal direction on a bracket of the body with using a clip structure.

Compliant with the ISO 19689, 0.64 mm individual waterproof, 6 pole wire to wire connection connector. The retainer is a pre-set type for both female and male housing.

Protection cover to female connector from water and dust is selectable to the installation direction.



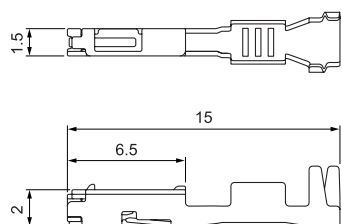
Specifications

- Current rating: 3.5 A DC (*1), 7.5 A DC (*2)
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Insulation resistance: 100 M Ω min.
- Withstanding voltage: 1,000 VAC/minute
- Applicable wire: AVSS
0.3 mm², 0.5 mm²
- *1. Temperature 20 \pm 5°C (full circuits)
- *2. Temperature 20 \pm 5°C (single circuit)

* Compliant with ELV/RoHS2.

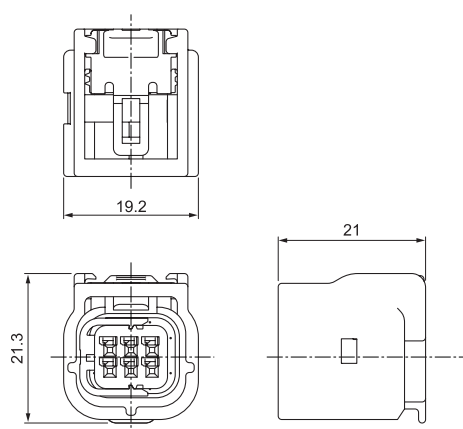
* Contact JST for details.

Female terminal



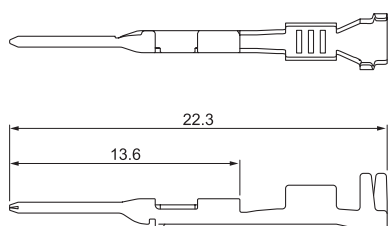
Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SMWTS-A021T-C064	0.3 to 0.5	1.4 to 1.7	5,000
Material and Finish			
Copper alloy, tin-plated (reflow treatment)			

Female connector



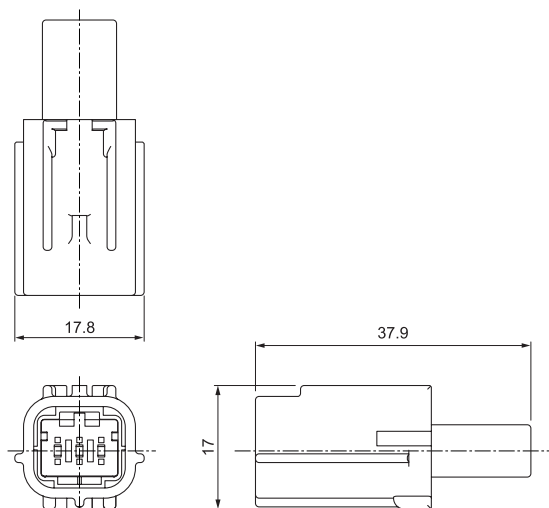
Circuits	Model No.	Q'ty/box
6	MWTRB-06-1A-R	750
Material and Finish		
Housing : Glass-filled PBT, Red Retainer: Glass-filled PBT, Black Inner seal: Silicone, Brown		

Male terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SMWTWS-A021T-064	0.3 to 0.5	1.4 to 1.7	5,500
Material and Finish			
Brass, tin-plated (reflow treatment)			

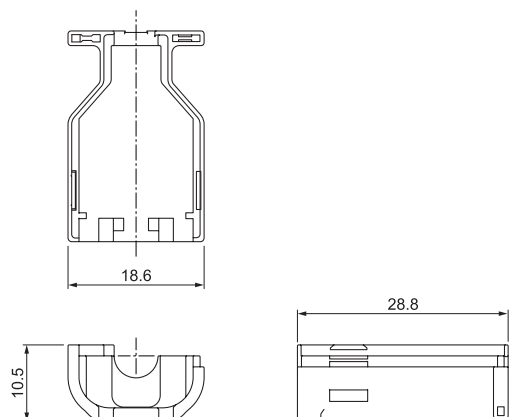
Male connector



Circuits	Model No.	Q'ty/box
6	MWTPB-06-1A-R	750
Material and Finish		
Housing: Glass-filled PBT, Red Retainer: PBT, Black		

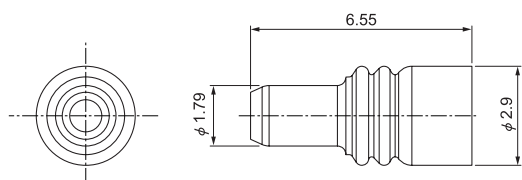
MWT CONNECTOR

Harness cover



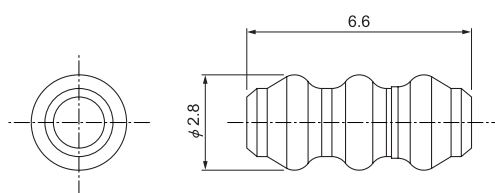
Circuits	Model No.	Q'ty/box
6	MWTWC-06-1A-R	1,800
Material and Finish		
PBT, Red		

Wire seal



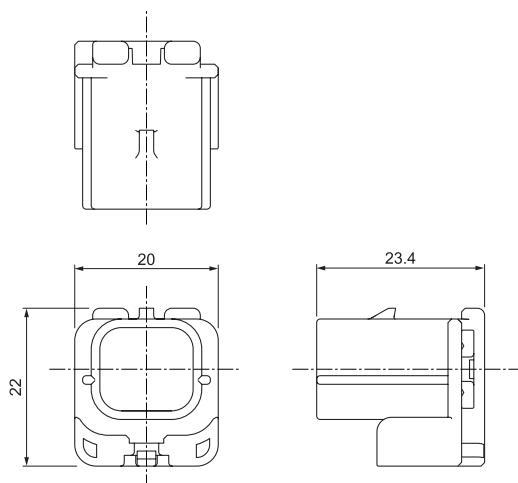
Model No.	Applicable wire range		Q'ty/box
	Conductor (mm ²)	Insulation O.D. (mm)	
A03WS-MWT-N	0.3 to 0.5	1.4 to 1.7	10,000
Material and Finish			
Silicone, Brown			

Dummy plug



Model No.	Q'ty/box
MWTDPS-1A-DN	10,000
Material and Finish	
Silicone, Dark brown	

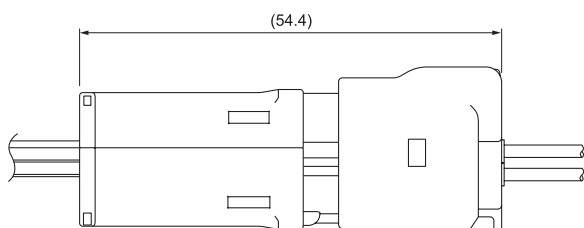
Protection cover



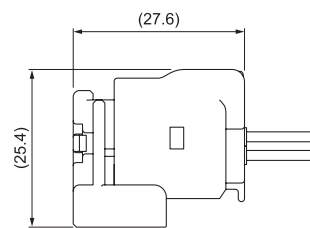
Circuits	Model No.	Q'ty/box
6	MWTPC-06-1A-R	750
Material and Finish		
PBT, Red		

Assembly layout

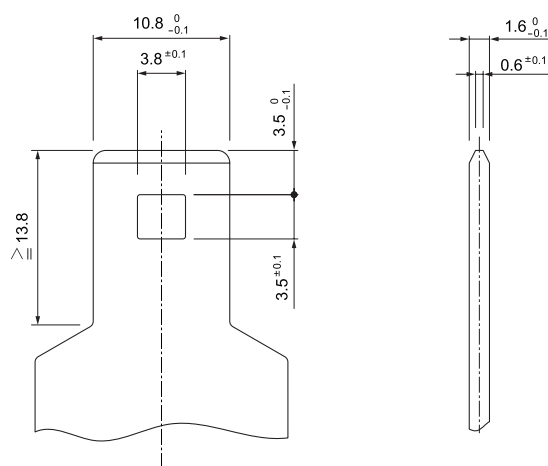
• Male connector assembly



• Protection cover assembly



Bracket layout

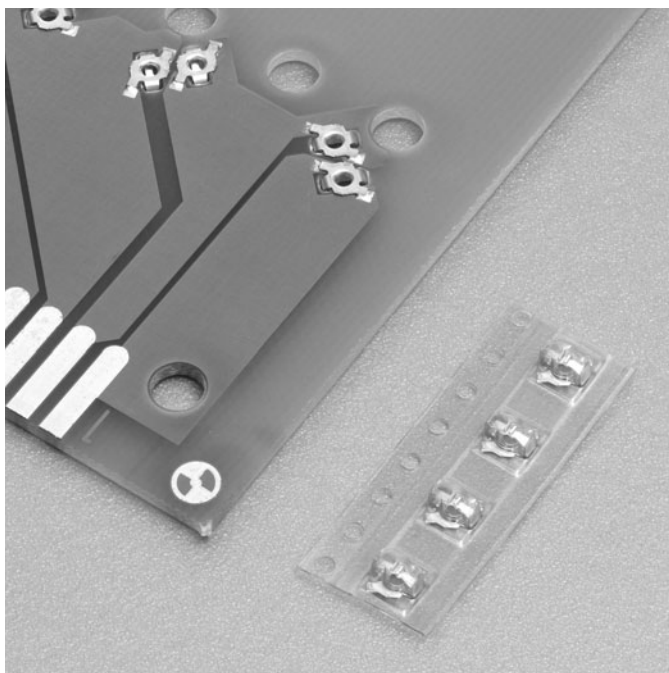


Recommended bracket layout

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMWTS-A021T-C064	AP-K2N	MK/SMWTS-A021-064	APLMK SMWTS-A021-064
SMWTWS-A021T-064		MK/SMWTWS-A021-064	APLMK SMWTWS-A021-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

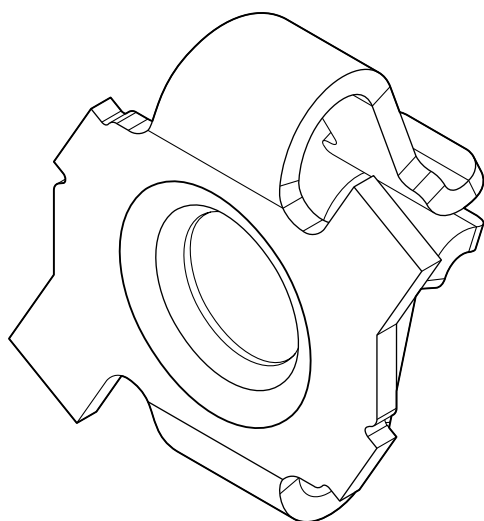


Features

- **Surface Mounting Type Connector for Automotive**
- **Low Profile**
Connector is partially inside thickness of PCB.
Height 2.34 mm.
- **Connecting with square 0.45 to 0.8 mm pins.**
- **Minimum pitch: 3.9 X 5.08 mm**
(Flexibility on PCB position.)

This contact can be placed anywhere on a PCB.
This makes it flexible to connect with other male components with different pitches and different numbers of pins.

The receptacle is mainly designed inside the PCB thickness to have a low profile connector.

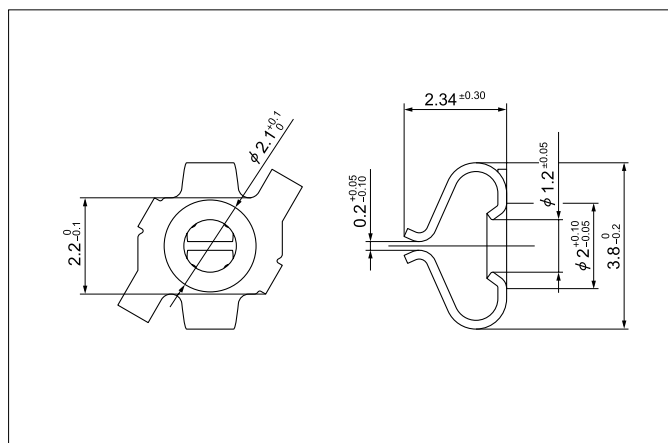


Specifications

- Current rating: 3 A AC, DC
- Voltage rating: 24 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial/ 8 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 200 VAC/minute
- Counterpart: 0.45 to 0.8 mm square pins
(Contact JST for other pin dimensions.)

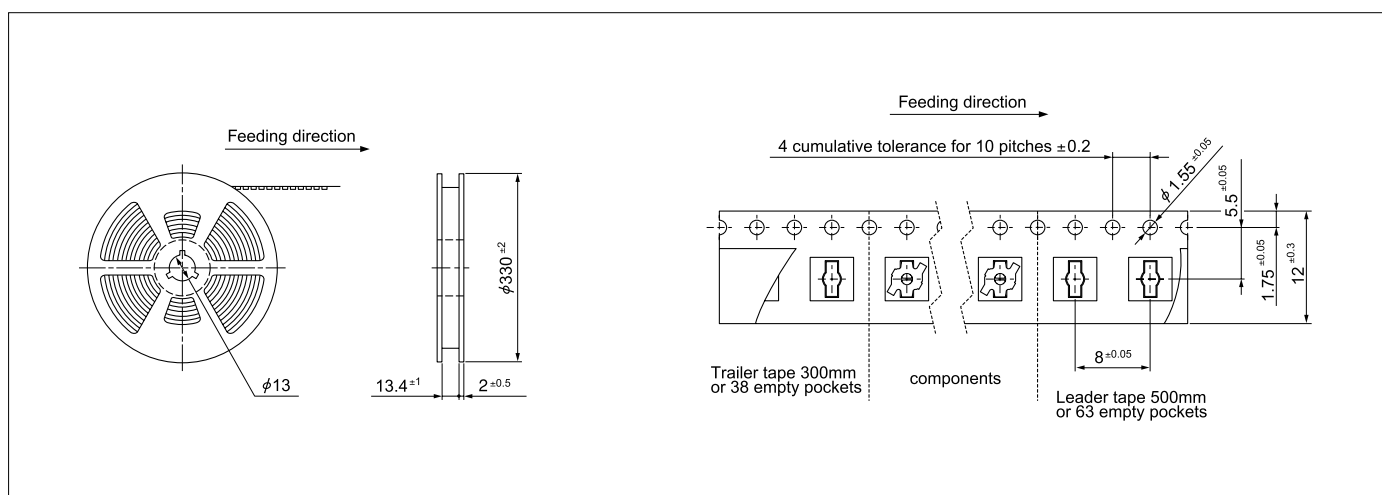
* Compliant with ELV/RoHS.
* Contact JST for details.

Connector

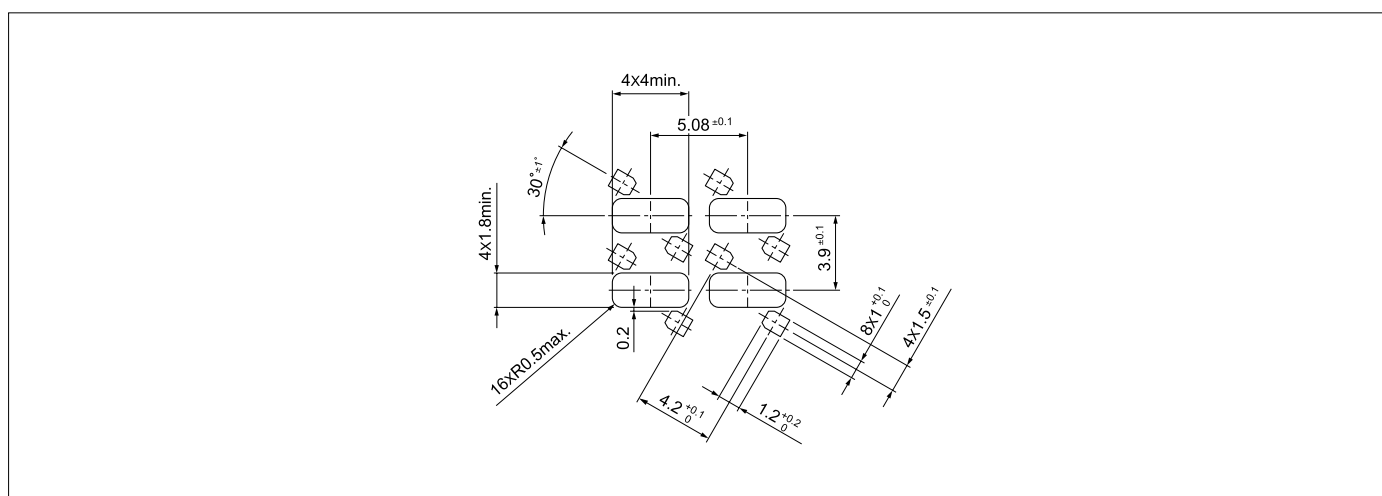


Circuits	Model No.	Q'ty/reel
Single	SSBO-0.2SPT-M0.55-L LF	3,500
Material and Finish		
Terminal: Copper alloy, tin-plated		

Taping specifications



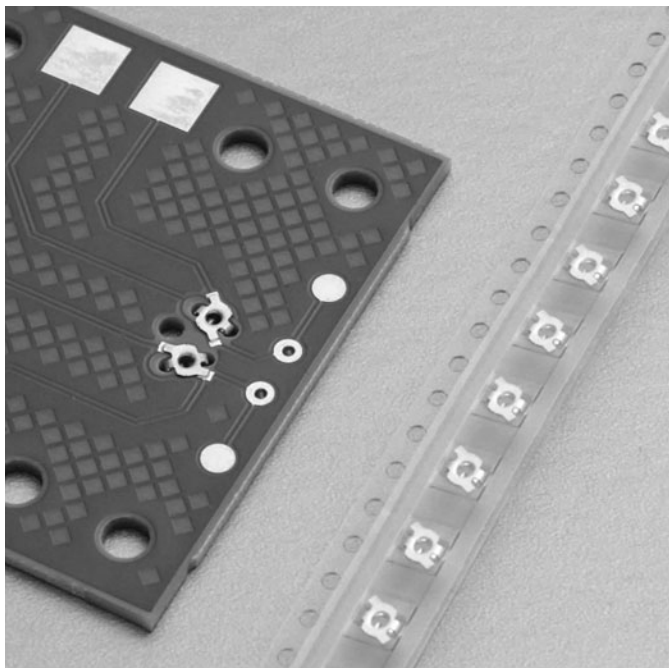
PC board layout



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

SBO2 CONNECTOR

Board-to-board

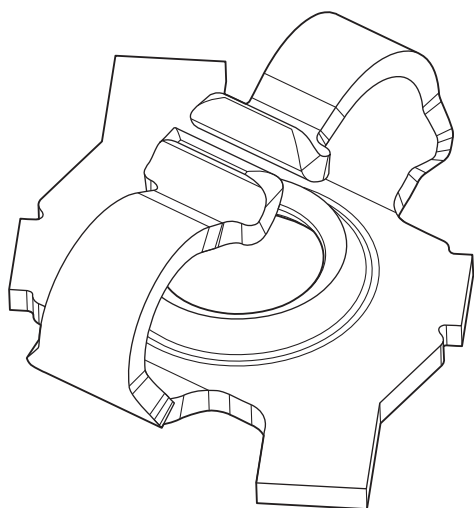


Features

- **Surface Mounting Type Connector for Automotive.**
- **Low profile**
Connector is completely inside thickness of PCB
(PCB thickness minimum 1.44 mm).
Total height connector is 1.50 mm max.
- **Connecting with square 0.5 and diameter 0.8 mm round pins.**
- **Minimum pitch: 3.9 x 5.08 mm**
(Flexibility on PCB position.)

This contact can be placed anywhere on a PCB.
This makes it flexible to connect with other male components with different pitches and different numbers of pins.

The receptacle is designed inside the PCB thickness.
This makes it possible to have reflow processes on both sides of the PCB without damaging the SBO contact.

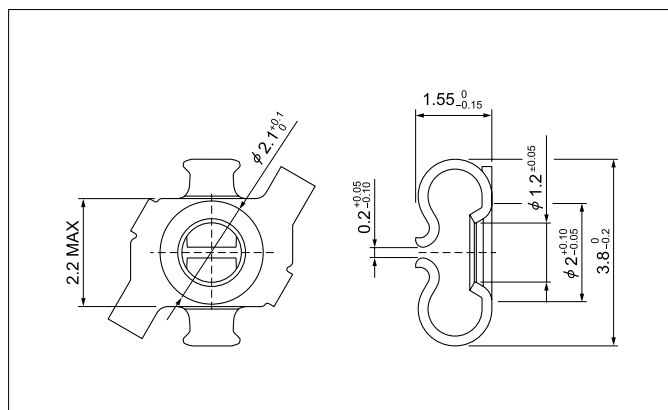


Specifications

- Current rating: 3 A AC, DC
- Voltage rating: 24 V AC, DC
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial/ 8 mΩ max.
After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 200 VAC/minute
- Counterpart: square 0.5 and diameter 0.8 mm round pins.
(Contact JST for other pin dimensions)

* Compliant with ELV/RoHS.
* Contact JST for details.

Connector

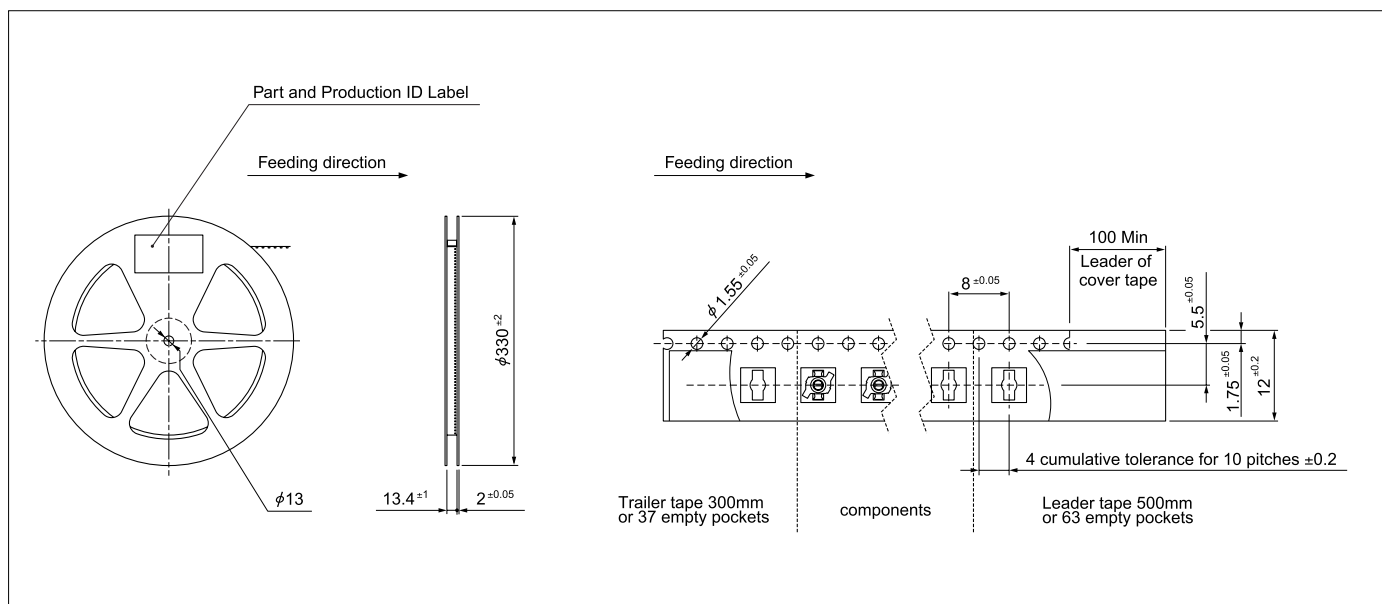


Circuits	Model No.	Q'ty/reel
Single	SSBO2-0.2SPT-M0.55-L LF	3,500
Material and Finish		

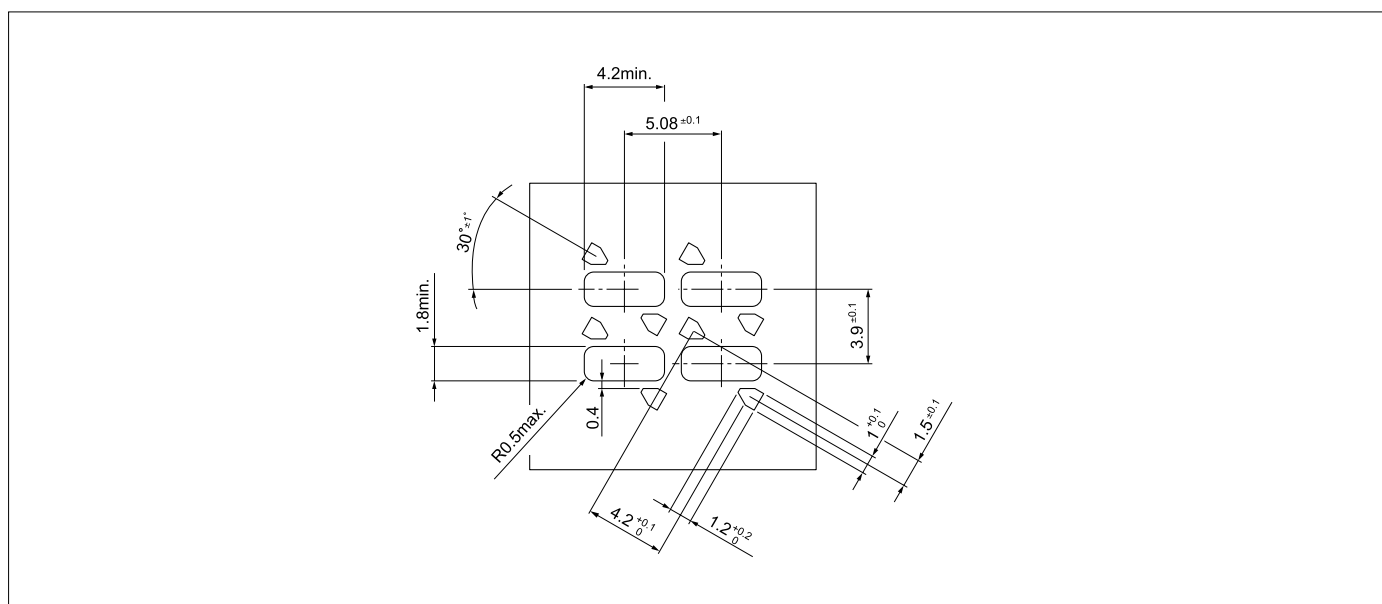
Terminal: Copper alloy, tin-plated

Note: Contact JST for details.

Taping specifications

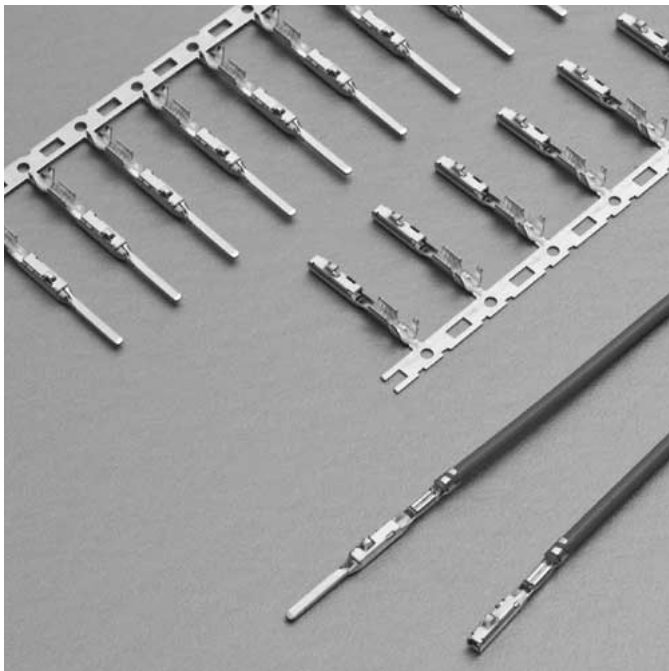


PC board layout



Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

MSA *TERMINAL*



1.2 mm terminal compliant with USCAR standards.

Features

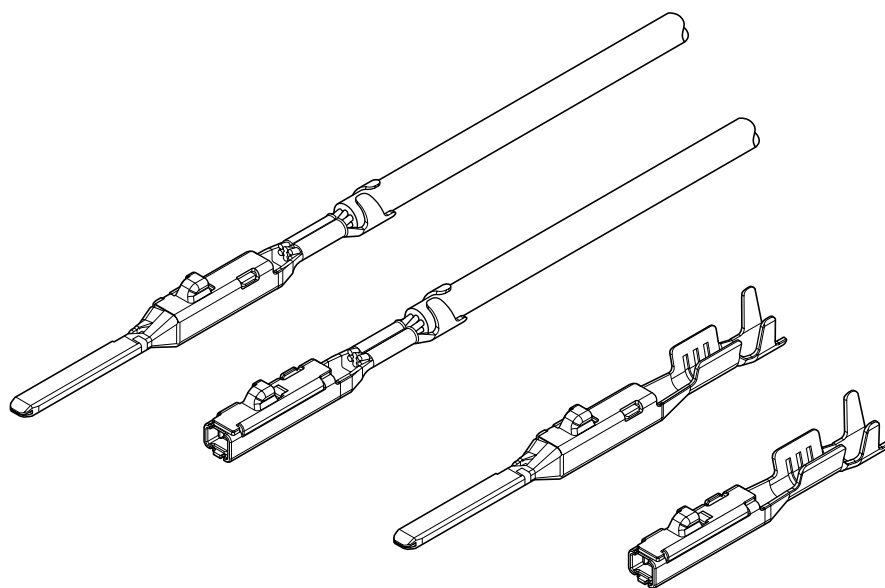
●Terminal Concept

One-piece structure, overlapped box design, four contact points.

●Variations

Varieties of platings and barrel sizes are available.

●Housing Lance Type



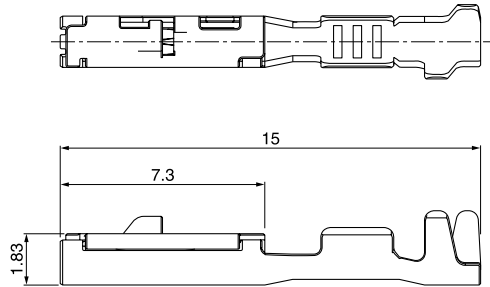
Specifications

- Terminal size: 1.2 mm (t=0.6 mm)
- Applicable wire: 0.13 mm² to 1.5 mm²
- Finish: Tin-plated
Silver-plated

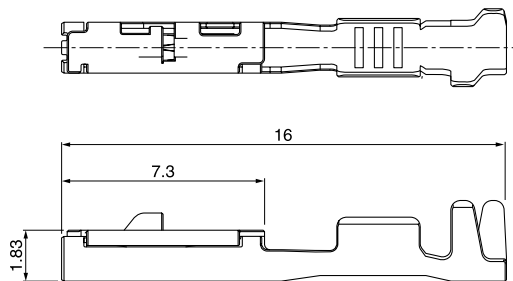
* Compliant with ELV/RoHS.
* Contact JST for details.

Female terminal

SSS/SS barrel

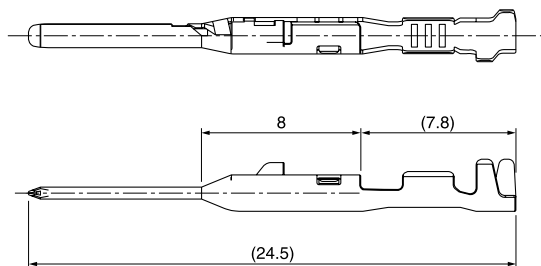


S/M barrel

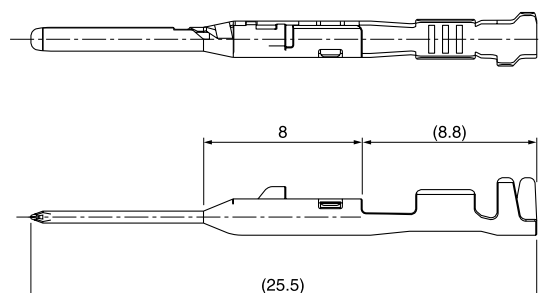


Male terminal

SSS/SS barrel



S/M barrel



Tin-plated

Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	SMSA-A001T-M1.2	0.13	0.95 to 1.05	9,000
SS	SMSA-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	SMSA-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
M	SMSA-A041T-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Silver-plated

Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	SMSA-A001A-M1.2	0.13	0.95 to 1.05	9,000
SS	SMSA-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	SMSA-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
M	SMSA-A041A-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

Material and Finish

Copper alloy, nickel-undercoated, Contact area; silver-plated
Barrel area; tin-plated

Tin-plated

Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	SMSAW-A001T-M1.2	0.13	0.95 to 1.05	10,000
SS	SMSAW-A011T-M1.2	0.35	1.2 to 1.4	9,000
S	SMSAW-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	9,000
M	SMSAW-A041T-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Silver-plated

Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SSS	SMSAW-A001A-M1.2	0.13	0.95 to 1.05	10,000
SS	SMSAW-A011A-M1.2	0.35	1.2 to 1.4	9,000
S	SMSAW-A031A-M1.2	0.5 to 0.75	1.6 to 1.9	9,000
M	SMSAW-A041A-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

Material and Finish

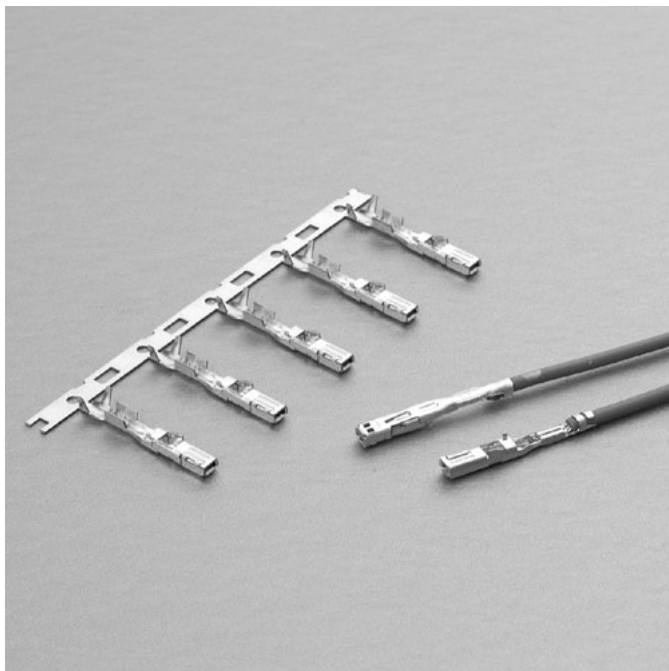
Copper alloy, nickel-undercoated, Contact area; silver-plated
Barrel area; tin-plated

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SMSA-A001()-M1.2	AP-K2N	MK/SMSA-A001-12	APLMK SMSA-A001-12
SMSA-A011()-M1.2		MK/SMSA-A011-12	APLMK SMSA-A011-12
SMSA-A031()-M1.2		MK/SMSA-A031-12	APLMK SMSA-A031-12
SMSA-A041()-M1.2		MK/SMSA-A041-12	APLMK SMSA-A041-12
SMSAW-A001()-M1.2		MK/SMSAW-A001-12	APLMK SMSAW-A001-12
SMSAW-A011()-M1.2		MK/SMSAW-A011-12	APLMK SMSAW-A011-12
SMSAW-A031()-M1.2		MK/SMSAW-A031-12	APLMK SMSAW-A031-12
SMSAW-A041()-M1.2		MK/SMSAW-A041-12	APLMK SMSAW-A041-12

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

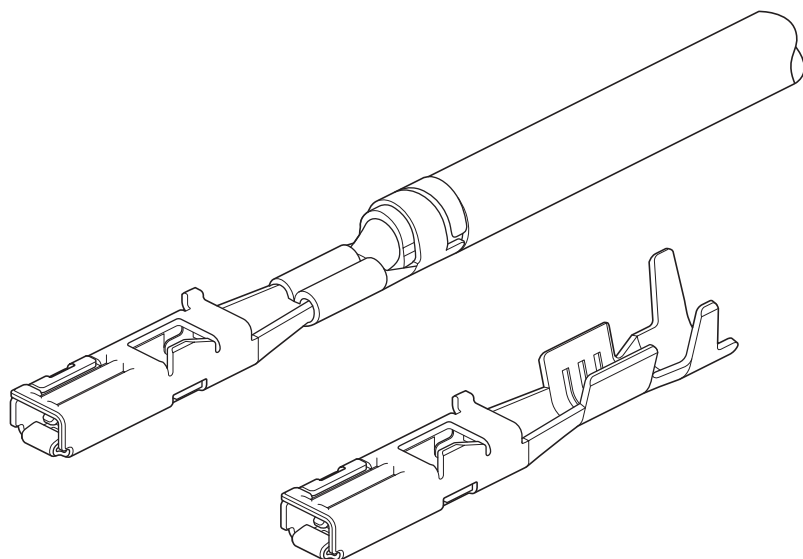
1.5 FEMALE TERMINAL



This is a power terminal for unsealed connector.

This terminal supports a housing of the 3.2mm(H) X 3.2mm(W) pitch.

This terminal supports a halogen-free electric wire of small diameter.



Features

●Female Terminal for Power Circuit

Magnifying the contact area with male terminal enable to use female terminal to power circuits.

●Compact Design

This terminal can be used for small type of housing:
3.2mm(H) X 3.2mm(W) pitch.

●Heat-resisting

Heat-resistance material is used in this terminal.

●Terminal Construction

It is designed to prevent the deformation of the contact part when processing wire harness by protecting the contact part of each terminal with one piece box.

●Small Diameter Electric Wire

This terminal supports a electric wire of small diameter.

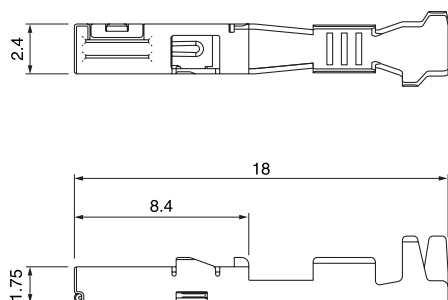
Specifications

- Unsealed
- Applicable tab: w=1.5mm(060), t=0.64mm
- Applicable wire: 0.22 to 2.0mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

1.5 FEMALE TERMINAL

Female terminal



Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
SS	SNAC-A011T-M1.5	0.22 to 0.35	0.95 to 1.20	6,000
S	SNAC-A021T-M1.5	0.3 to 0.5	1.40 to 1.70	5,000
M	SNAC-A041T-M1.5	0.75 to 1.25	1.80 to 2.20	4,000
L	SNAC-A071T-M1.5	1.5 to 2.0	2.60 to 2.70	3,000

Material and Finish

Copper alloy, tin-plated (reflow-treatment)

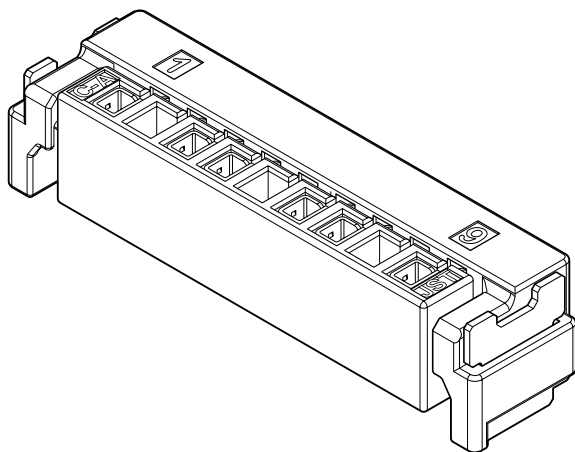
Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SNAC-A011T-M1.5	AP-K2N	MK/SNAC-A011-15	APLMK SNAC-A011-15
SNAC-A021T-M1.5		MK/SNAC-A021-15	APLMK SNAC-A021-15
SNAC-A041T-M1.5		MK/SNAC-A041-15	APLMK SNAC-A041-15
SNAC-A071T-M1.5		MK/SNAC-A071-15	APLMK SNAC-A071-15

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.



0.64 unsealed alignment-free, low profile surface mount connector for automobile applications.



Features

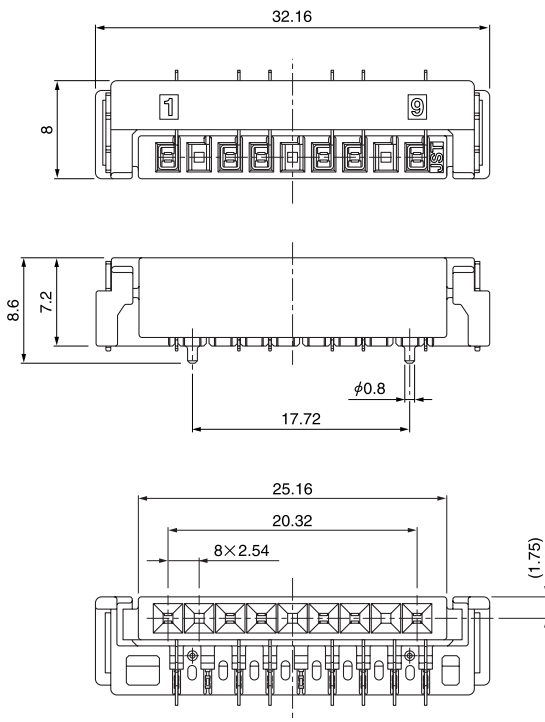
- Low profile Surface mount Board-to-board Connectors, Compliant with Automotive Performance Specifications
- Accepts 0.64 Male Blade
- Misalignment absorption feature
- Variations
Up to 9 positions in any configuration
- Lead Free Reflow capable

Specifications

- Current rating: 4.5 A DC max.
- Voltage rating: 14 V DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/15 mΩ max.
After environmental tests/15 mΩ max.
- Insulation resistance: 100 MΩ min.

* Compliant with ELV/RoHS2.
* Contact JST for details.

Connector



Circuits	Model No.	Q'ty/box	Housing Color
6	09HVD6B-EMGF-NR	2,700	Brown

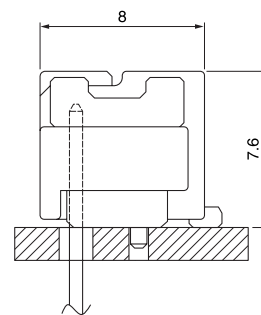
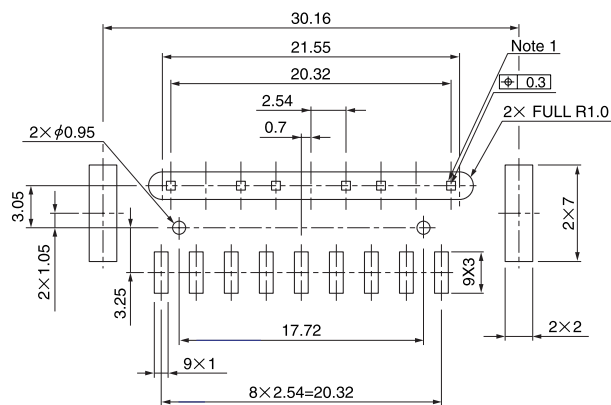
Material and Finish

Housing: PPS

Terminal: Copper alloy, tin-plated, selective gold-plated

Reinforcement: Brass, tin-plated

PC board layout, Assembly layout



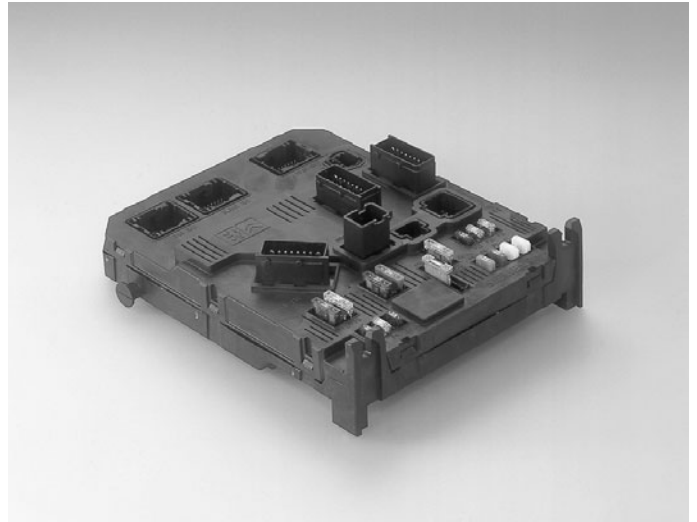
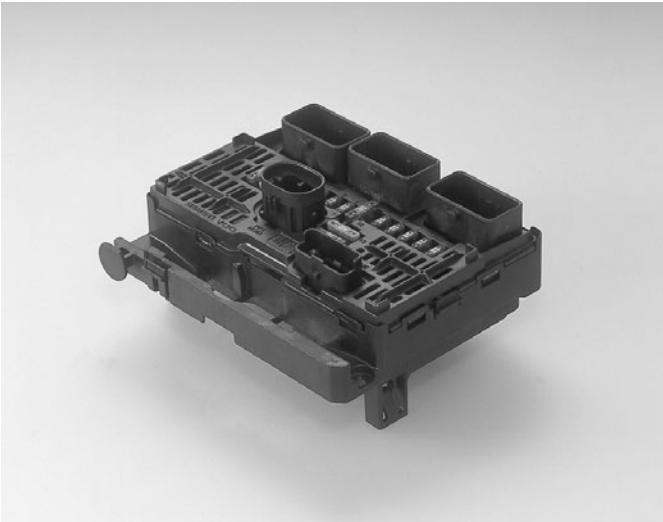
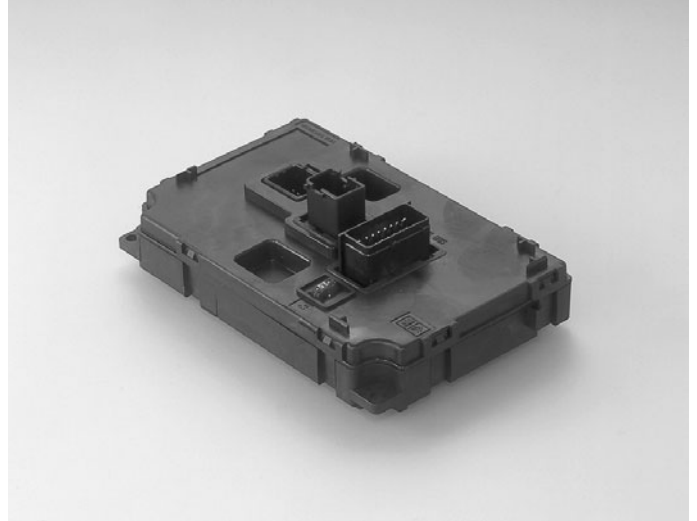
Note: 1. 0.64 pins comply with EWCAP_001. Au plated.

2. Tolerances are non-cumulative: ± 0.05 mm for all centers (for PC board layout).

3. Hole dimensions differ according to the type of PC board and piercing method.
The dimensions above should serve as guideline. Contact JST for details.

JUNCTION BOX

Custom-made connector



This product is developed by the custom-made for junction box, fuse box, and relay box for automobile.

Features

Various configurations, number of circuits, and the fuse specification can be developed according to the custom-made.

	Model No.	Page	Series Name
#	(#)CIT-B-1A	128	CIT
	(#)CPT-B1-2A	25	CPT
	(#)CPT-B-2A	25, 26, 34	CPT, CPI
	(#)EVZ-B-K-2A	209	EVZ2
	(#)MEC-B-1A	38	MEC
	(#)MEC-B-2A	39	MEC
	(#)MEC-B-2A()	39	MEC
	(#)MSA-PB-1A-A-K	105	MSA
	(#)MSA-RBC-1A-A-K	104	MSA
	(#)SHC-B-1A	48	SHC
	(#)WIC-B-1A-()	143	WIC
	(#)ZRO-B-(#)B	189	ZRO
	02SPH2-P-1D	234	SPH2
	02SPH2-R-1K	233	SPH2
	02-SQS-GF-1A-E	180	SHUNT RING
	02-SQS-GF-1A-K	180	SHUNT RING
	02-SQS-GF-1A-LP	180	SHUNT RING
	02-SQS-GF-1A-N	180	SHUNT RING
	02-SQS-GF-1A-Y	180	SHUNT RING
	02-SQS-GF-1B-M	180	SHUNT RING
	02-SQS-GF-1C-D	180	SHUNT RING
	02-SQS-GF-2A-E	180	SHUNT RING
	02-SQS-GF-2A-K	180	SHUNT RING
	02-SQS-GF-2A-LP	180	SHUNT RING
	02-SQS-GF-2A-R	180	SHUNT RING
	02-SQS-GF-2A-Y	180	SHUNT RING
	02-SQS-GF-2B-H	180	SHUNT RING
	02-SQS-GF-2B-M	180	SHUNT RING
	02-SQS-GF-2C-D	180	SHUNT RING
	02-SQS-GF-2C-MK	180	SHUNT RING
	02-SQS-GF-2C-P	180	SHUNT RING
	02-SQSK-GI-2A-K	180	SHUNT RING
	02-SQSK-GI-2B-LM	180	SHUNT RING
	02-SQSK-GI-2C-Y	180	SHUNT RING
	03NFG-B-1A	248	NFG
	04CPT-B1-2B	25	CPT
	064PLG-AIT-R	216	ASG
	08HIC-P-(#)A	109	HIC
	08HIC-P-(#)B	109	HIC
	08HIC-R-1A	108	HIC
	09HVD6B-EMGF-NR	263	HVD
	10EVZ-B-H-1B	210	EVZ2
	10EVZ-B-H-2B	209	EVZ2
	10EVZ-B-K-1A	210	EVZ2
	12CPT-B-2A-FL	26	CPT
	16CIT-B-2A	128	CIT
	16MSA-PB-1A-B-H	105	MSA
	16MSA-RBC-1A-B-H	104	MSA
	18GIT-CL-1A-01-01	135	GIT18P
	18GIT-RS-(#)A-Y	135	GIT18P
	24CPT-B-2B	34	CPI
	26SHC-B-2A	48	SHC
	27ZRO-B-1A	210	EVZ2
	32GIT-CL-1A-()-()	75	ACA
	36GIT-CL-1A-()-() ()	138	GIT
	36ZRO-B-(#)A	189, 210	ZRO, EVZ2
	48ZRO-B-1A	189, 193	ZRO, TCUD
	48ZRO-B-2A	189	ZRO
	48ZRO-B-3A	193	TCUD
	50GIT-CL-1A-01()-()	138	GIT
	50GIT-CL-2A-37()-()	138	GIT
	58JIA-RB-(#)()-K	196	JIA
	74JIA-RB-(#)()-K	196	JIA
A	A03CS-AIT-M	216	ASG
	A03WS-MWT-N	251	MWT
	A03WS-SAB-N	121, 125	SAB, FAB
	A04CS-AIT-N	216	ASG
	AHVG-350B-C1500	237	HVGW
	AIT2PB-(#)-1AK	65	AIT II
	AIT2PB-(#)-1BH	65	AIT II
	AIT2PB-(#)-1FS	65	AIT II
	AIT2PB-(#)-2AK	66	AIT II
	AIT2PB-(#)-2BH	66	AIT II
	AIT2PB-(#)-2FS	66	AIT II
	AIT2PB-(#)B-1AK	67	AIT II
	AIT2PB-(#)G-1AK	67	AIT II
	AIT2PB-02A-1FS	67	AIT II
	AIT2PB-10-1AD	65	AIT II
	AIT2PB-10-1DM	65	AIT II
	AIT2PB-10P-2AK	66	AIT II
	AIT2PB-10P-2BH	66	AIT II

	Model No.	Page	Series Name
	AIT2PB-18-2AD	66	AIT II
	AIT2PB-18-2BD	66	AIT II
	AIT2PB-18-2DM	66	AIT II
	AIT2PB-22-2CN	66	AIT II
	AIT2WSB-(#)-1FS	71	AIT II
	AIT2WSB-(#)A-1AK	71	AIT II
	AIT2WSB-06-1AK	71	AIT II
	AIT2WSB-07-1FK	71	AIT II
	AIT2WSB-10A-2AK	71	AIT II
	AIT2WSB-10A-2BH	71	AIT II
	AIT2WSB-22-2AK	71	AIT II
	AITPB-C08-1A-K	60	AIT
	AITWSB-10-2AK	63	AIT
	ARVPB-(#)-3AK	183	ARV
	ARVPB-(#)C(#)-3AK	183	ARV
	ARVPB-12-2AK	183	ARV
	ARVPB-12C12-2AK	183	ARV
	ARVWSB-(#)-3AK	184	ARV
	ARVWSB-(#)C-3AK	184	ARV
	ARVWSB-12B-2AK	184	ARV
	ARVWSB-12BC-2AK	184	ARV
	ASGC-1547-2A-K	216	ASG
	ASGPB-1547L2A-K	215	ASG
	ASGPB-1547R2A-K	215	ASG
	ASGPB-2547L2A-K	215	ASG
	ASGPB-47L1A-K	215	ASG
	ASGPB-47R1A-K	215	ASG
	ASGPB-F1947R-3AK	216	ASG
	ASU-4RASM-12T1-K1-TR	228	ASU
	ASU-PCS4-3RPT	228	ASU
	ASU-PHG4-K	227	ASU
	ASU-PHN4-K	227	ASU
	ASU-PRT-H	227	ASU
	ASU-PS4-3RPT-1	228	ASU
	ATLCPB-21-2AY	92	ATLC
	ATLCPB-21-2BH	92	ATLC
	ATLPB-21-2AK	89	ATL
	ATLPB-21-2BH	89	ATL
	ATLPB-21-2CD	89	ATL
	ATLPB-21-2DD	89	ATL
	ATSSCC-08-K	218	ATSS
	ATSSPB-A08() ()-1AK	218	ATSS
	ATSSPB-C08() ()-1AK	218	ATSS
B	B(#)B-AIT-A2A-KS	61	AIT
	B(#)B-AIT-A2B-HS	61	AIT
	B(#)B-HCMKS-R	80	HCM
	B02-HVGT-BS	239, 243	HVGW, HVGT
	B02-HVGW-AK	239	HVGW
	B03B-HCMKS	80	HCM
	B03B-HCMSS	80	HCM
	B04BA-AIT2-1AK	68	AIT II
	B04B-HCMKS-2R	80	HCM
	B04B-HCMKS-RA	80	HCM
	B04B-HSDP-2BH	97	HSDP
	B04B-HSDP-2DM	97	HSDP
	B04B-HSDP-2FS	97	HSDP
	B05B2-AHCMKS-A	80	HCM
	B05B-AHCMKK	80	HCM
	B05B-AHCMSK	80	HCM
	B05B-HCMSS-R	80	HCM
	B06BA-AIT2-1AK-K	68	AIT II
	B06B-HCMKK	80	HCM
	B06B-HCMSK	80	HCM
	B10-FOXK-LF	245	FOX
	B14B-BCCK- 1AR	101	BCC
	B14B-BCCS- 2AR	101	BCC
	B16B-MIOS	57	MIO
	B18B-AIT-A2F-SS	61	AIT
	B20B2-AIT-A2A-KS	61	AIT
	B20B2-AIT-A2C-NS	61	AIT
	BABPB-02-1A-Y()	115	BAB
	BABRB-02-1A-Y()	114	BAB
	BCCRB-14-1A-K	100	BCC
	BCCRB-14-2A-S	100	BCC
	BM(#)B-CPTK-1A-TB	27	CPT
	BU(#)B-EVZ2K-2A1	211	EVZ2
	BU(#)B-EVZ2K-2A3	211	EVZ2
	BU10B-EVZ2H-2B1	211	EVZ2
	BU10B-EVZ2H-2B3	211	EVZ2
C	CNB-01AH	220	CN
	CNP-01V	220	CN

Note: For more information, please contact JST.

	Model No.	Page	Series Name
E	CN-SAS1290	220	CN
	EA2-1RAS-12T100-K1-TR	224	EA2
	EA2-PHG-1K	223	EA2
	EA2-PHN-2K	223	EA2
	EA2-PRT-2H	223	EA2
F	EA2-SCS542	224	EA2
	EA2-SSP3RPT	224	EA2
	FABPB-02-2BA-K	124	FAB
	FABRB-02-1A-K	124	FAB
	FOXP-10K	245	FOX
G	FOXS-10K	245	FOX
	GITR-12H-3()-K	139	GIT
	GITR-24H-1()-K	139	GIT
	GITR-32H-1A-K	75	ACA
	GITR-50H-()A-K	139	GIT
H	GITSL-H-2A-K	75, 139	ACA,GIT
	GITSL-H-3A-K	139	GIT
	GITSL-H-4A-K	139	GIT
	GT150	94, 97	RAD, HSDP
	GT280	94	RAD
	GT630	215	ASG
	HCMDPB-(#)-K	79	HCM
	HCMDPB-08-S	79	HCM
	HCMDWPB-04-K	82	HCM
	HCMDWPB-04-S	82	HCM
	HCMDWSB-04-S	82	HCM
	HCHFB-09-KE	85	HCH
	HCMPB-(#)-K	79, 85	HCM, HCH
	HCMPB-(#)-S	79	HCM
	HCMPB-04-H	79	HCM
	HCMPB-A(#)-K	79	HCM
	HCMPB-A05-S	79	HCM
	HCMPB-C06A-K	79	HCM
	HCMPB-C06A-S	79	HCM
	HCMWPB-05-K	82	HCM
	HCMWSB-05-K	82	HCM
	HIE-N19R-S02A	231	HIE
	HITPB-25-B-S	54	HIT
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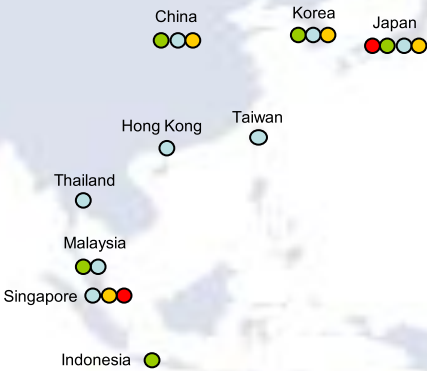
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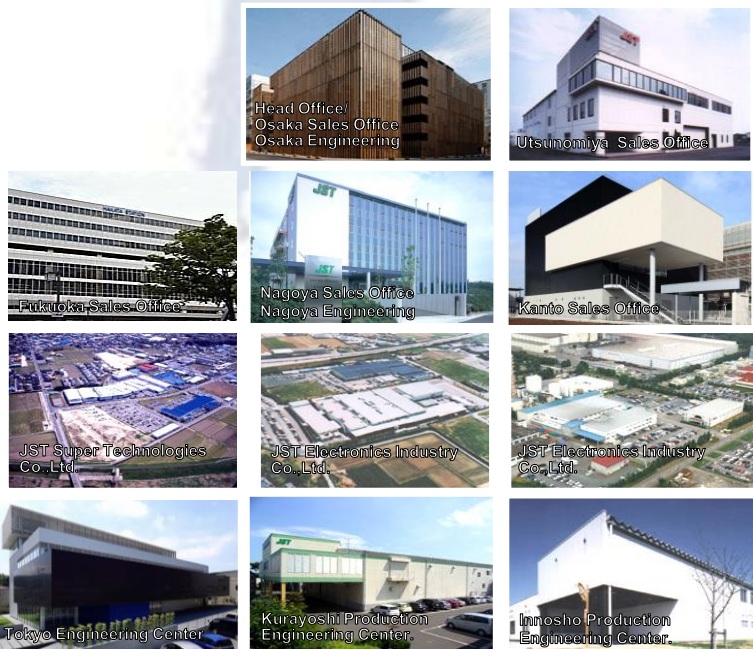
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