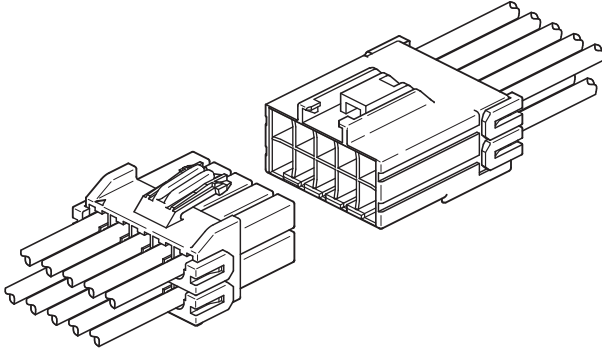


# PW CONNECTOR <Type B>

3.96 mm pitch/Wire-to-Wire connectors/Crimp style and Mating style



This is a 3.96 mm pitch wire-to-wire connector with a retainer-mountable housing made from Glow Wire test-compliant material.

- **Glow-wire compliant**  
Meets the GWT 850°C standard, ensuring enhanced safety and reliability. Demonstrates improved protection and compliance in a wide range of household appliances.
- **Housing lance system**  
Ensures smooth contact insertion to achieve a reliable connection.
- **Retainer**  
Optional retainers enhance connection reliability by preventing incomplete insertion or accidental contact disengagement.
- **Secure lock mechanism**  
Featuring a secure inner locking mechanism that minimizes disengagement caused by tension and torsion in wire routing.
- **Free hanging**

## ■ Specifications

- Current rating: 7 A AC/ DC (3 circuits, AWG #18)

Note: The table below lists the current rating by number of circuits and wire size, with the assumption that each number of circuits is used.

Unit: A

No. of circuits	Wire size (AWG)				
	#18	#20	#22	#24	#26
3	7	6	4	3	2
4	7	6	4	3	2
6	6	5	3	2	2
8	6	5	3	2	2
10	5	4	2	2	2
12	5	4	2	2	2
15	4	3	2	2	2

- Voltage rating: 250 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 test/ 20 mΩ max.  
(Variation from initial value)
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:  
There shall be no breakdown or flashover while applying 2,200 V AC for one minute.
- Applicable wire range:  
Conductor size/ AWG #26 to AWG #18  
Insulation O.D./ φ 1.3 mm to φ 2.8 mm
- \* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

## ■ Standards

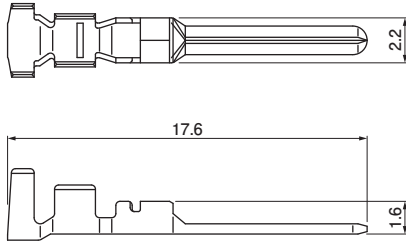
For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

- \* Specifications registered to overseas standards may differ from the general specifications listed above.

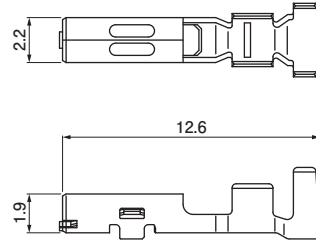
# PW CONNECTOR <Type B>

## Contact

### Pin contact



### Socket contact



### Pin contact

Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	
SSM-01T-P1.4	#26 to #24 (0.13 to 0.22)	1.3 to 1.5	6,000
SSM-21T-P1.4	#22 to #18 (0.33 to 0.83)	1.5 to 2.5	6,000

Material and Surface finish, etc.

Copper alloy, tin-plated

### Socket contact

Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	
SSF-01T-P1.4AB (W)	#26 to #24 (0.13 to 0.22)	1.3 to 2.8	4,000
SSF-21T-P1.4AB (W)	#22 to #18 (0.33 to 0.83)	1.5 to 2.8	4,000

Material and Surface finish, etc.

Copper alloy, tin-plated

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SSM-01T-P1.4	AP-K2N	MKS-L	APLMK SSF/M01-14
SSM-21T-P1.4			APLMK SSF/M21-14

Note: Contact JST for fully automatic crimping applicator.

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SSF-01T-P1.4AB (W)	AP-K2N	MKS-L	APLMK SSF01-14-PWB-W
SSF-21T-P1.4AB (W)			APLMK SSF21-14-PWB

Note: Contact JST for fully automatic crimping applicator.

# PW CONNECTOR <Type B>

## Housing

No. of circuits	Receptacle housing (For pin contact)		Plug housing (For socket housing)		Retainer	
3		Q'ty/ bag		Q'ty/ bag	PWBS-03V * Used for both 3-circuit and 6-circuit housing. 	Q'ty/ bag
4		Q'ty/ bag		Q'ty/ bag	PWBS-02V 	Q'ty/ bag
6		Q'ty/ bag		Q'ty/ bag	PWBS-03V * Used for both 3-circuit and 6-circuit housing. 	Q'ty/ bag
8		Q'ty/ bag		Q'ty/ bag	PWBS-04V * Used for both 8-circuit and 12-circuit housing. 	Q'ty/ bag
10		Q'ty/ bag		Q'ty/ bag	PWBS-05V * Used for both 10-circuit and 15-circuit housing. 	Q'ty/ bag

Material and Surface finish, etc.

Receptacle housing: Thermoplastic resin, natural  
 Plug housing: Thermoplastic resin, natural  
 Retainer: PA (GF), natural

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

# PW CONNECTOR <Type B>

## Housing

No. of circuits	Receptacle housing (For pin contact)	Q'ty/ bag	Plug housing (For socket housing)	Q'ty/ bag	Retainer	Q'ty/ bag
12	<b>PWBR-12VF-WGL1</b> 	500	<b>PWBP-12V-WGL1</b> 	500	<b>PWBS-04V</b> * Used for both 8-circuit and 12-circuit housing. 	1,000
15	<b>PWBR-15VF-WGL1</b> 	200	<b>PWBP-15V-WGL1</b> 	500	<b>PWBS-05V</b> * Used for both 10-circuit and 15-circuit housing. 	1,000

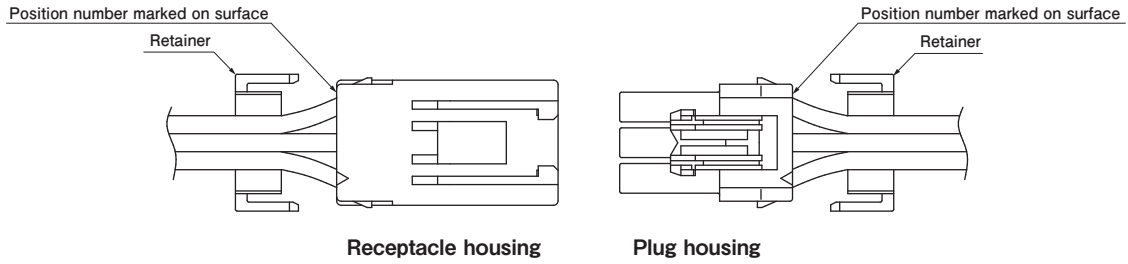
### Material and Surface finish, etc.

Receptacle housing: Thermoplastic resin, natural  
 Plug housing: Thermoplastic resin, natural  
 Retainer: PA (GF), natural

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

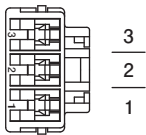
# PW CONNECTOR <Type B>

## Contact position location numbers

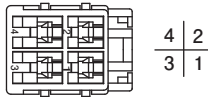


### Receptacle housing

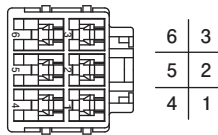
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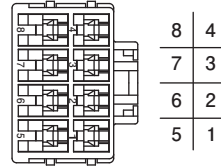
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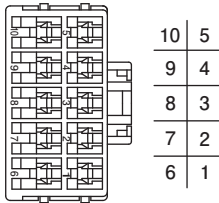
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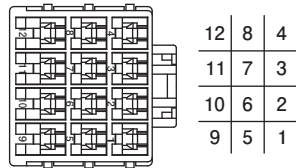
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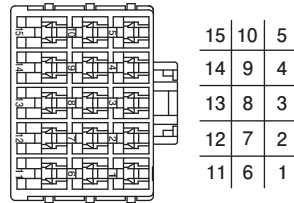
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<12 circuits>

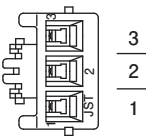


<15 circuits>

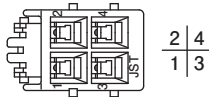


### Plug housing

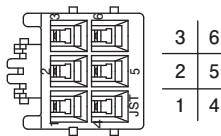
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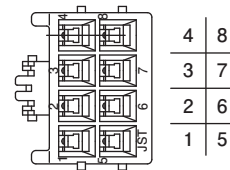
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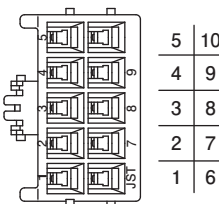
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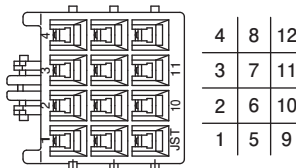
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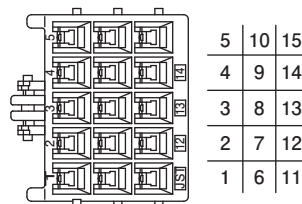
<10 circuits>



<12 circuits>



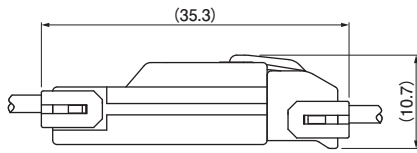
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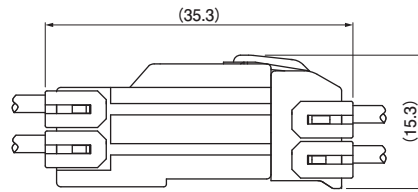
# PW CONNECTOR <Type B>

## Assembly layout

Single-row type



Dual-row type



3-row type

