JST France

PRODUCT GUIDE 2023-2024

WWW.JST.FR

ALPHABETICAL INDEX

SUMMARY

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SECTION 2 - SOLDERLESS TERMINALS & SPLICES

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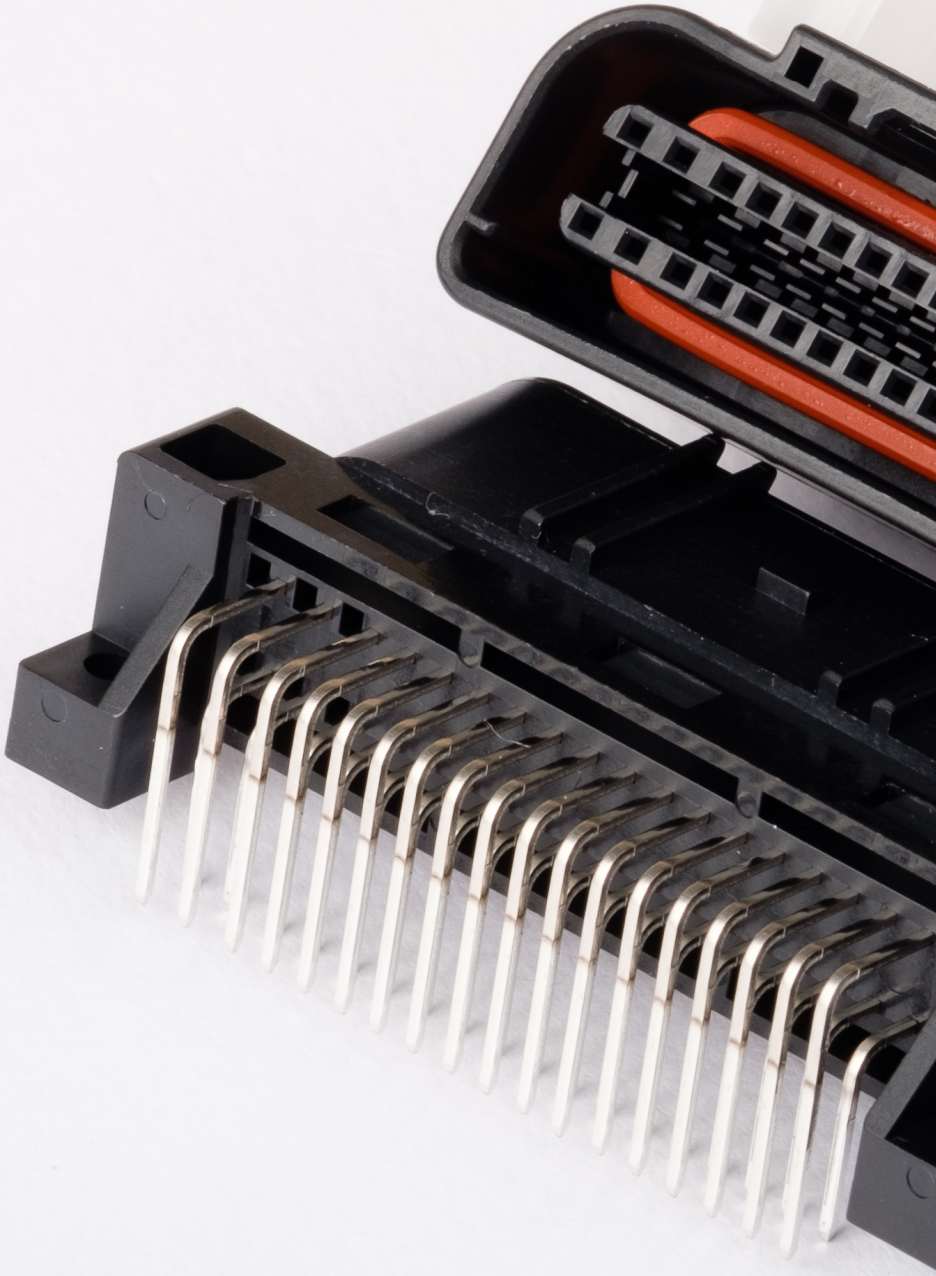
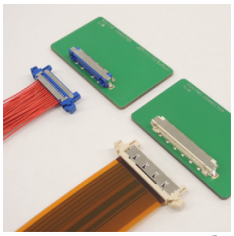
CONNECTORS



CHAPTER 1
WTB CRIMP STYLE CONNECTORS

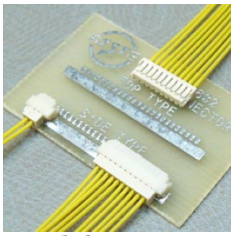
WTB CRIMP STYLE CONNECTORS

FWG WTB
0.5 mm pitch
Type: Space saving
Current rating: 0.3A
Voltage rating: 50V



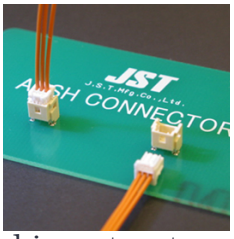
This is crimp style disconnectable connector with 0.5 mm pitch lock for high-speed transmission which can be chosen discrete wires, FPC or FFC depending on usage.
By assuming the use of multiple pieces of connector in the vicinity, prevention of mis-mating is provided by 4 kinds of key pattern in each circuit and 4 different colors of housing.

SUH
0.8 mm pitch
Type: Compact & disconnectable
Current rating: 1A
Voltage rating: 30V



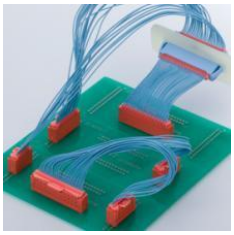
SUR connector that has been designed for 0.8mm pitch wire-to-board IDC.
This connector adopted the first crimping method in a minimum 0.8mm pitch of the wire-to-board type connector.
Housing lance method provides the good workability and a constriction contact method provides the excellent contact reliability.

APSH
1 mm pitch
Type: Secure locking device
Current rating: 1A (AWG#28)
Voltage rating: 50V



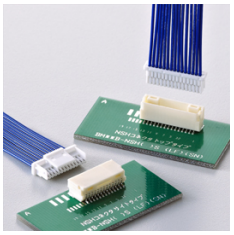
This connector has the secure locking structure by realizing space saving.
It prevents to come off the housing when handling the wire and giving vibration.
This connector is very small and it has been controlled inverse insertion and realized clear insertion feeling.

CSH
1 mm pitch
Type: Disconnectable
Current rating: CSH, CS/2A
Voltage rating: 50V



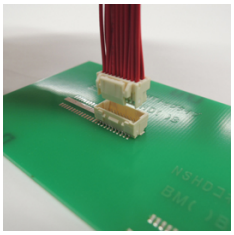
Housing lances.
Interchangeability.
Realized current rating of 2A with AWG#26.

NSH
1 mm pitch
Type: Secure locking device, crimp style & disconnectable
Current rating: 1A (AWG#28)
Voltage rating: 50V



1.0mm pitch secure lock type connector.
This low insertion force type connector realizes easier mating operation.
The basic concept of the contact part of this connector is equivalent to the performance proven SHL connector.

NSHD
1 mm pitch
Type: Secure locking device, crimp style & disconnectable
Current rating: 1.0A
Voltage rating: 50V



This is a board-to-wire connector with secure locking specification, which achieved excellent workability and withstanding external force. Realize industry-leading space-saving, 1.0 mm pitch dual-row, and support a high densification of equipment.

JST WTB CRIMP STYLE CONNECTORS

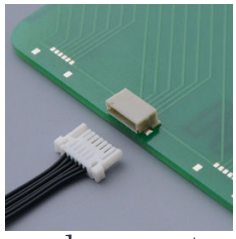
SH
1 mm pitch
Type: Compact & disconnectable
Current rating: 1A
Voltage rating: 50V

Compact, low profile design.
Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment.
The receptacle has protrusions on both ends for an operator to disengage the receptacle from the header without holding the wires.

SHD
1 mm pitch
Type: Compact & double-row
Current rating: 1A
Voltage rating: 50V

Compact, double-row design.
Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment.
The receptacle has protrusions on both ends for an operator to disengage the receptacle from the header without holding the wires.

SHJ
1 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#28)
Voltage rating: 125V

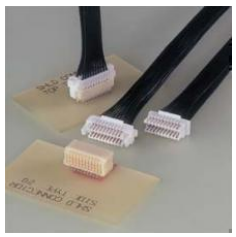


This is a 1.0 mm pitch wire-to-board connector with secure lock mechanism on both sides.
SHJ connector is compact and space-saving design providi ng high reliability and are suitable for applications such as power supply of LED.
> Crimp style
> For LCD back light lamps
> With securelocking device

SHL
1 mm pitch
Type: Disconnectable & thin type
Current rating: 1A (AWG#28)
Voltage rating: 50V

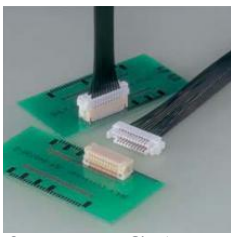
This is an ultra-thin 1.0 mm pitch wire-to-board connector for thinner and smaller devices, with a mounting height of 1.8 mm for the normal type and 1.4 mm for the offset type.

SHLD
1 mm pitch
Type: Compact & double-row
Current rating: 1A (AWG#28)
Voltage rating: 50V



Compact, double-row design.
Mounting height is 5.5mm for side entry type.
Just fitting to the high density packaging.
Line-up the type with Secure locking device.
Secure locking device prevents accidental disconnection.

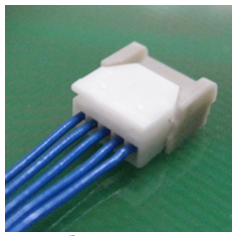
SHLV
1 mm pitch
Type: for LVDS & double-row
Current rating: 1A
Voltage rating: 30V



This is a wire-to-board connector for LVDS (Low Voltage Differential Signaling) interfaces inside digital display devices such as liquid crystal monitors and flat-screen TVs, which has excellent workability and robustness.
It can also be used in general circuits as multi-circuit connector with compact and space-saving.

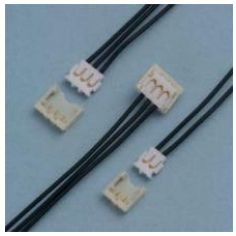
JST WTB CRIMP STYLE CONNECTORS

SFG
1.1 mm pitch
Type: For LCD back light lamps
Current rating: 1A (AWG#28)
Voltage rating: 200V



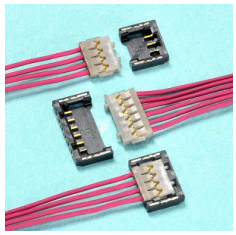
This SFG connector is a wire-to-board connector compatible with small space.
It is used for power supply of LED backlight in Liquid Crystal Display Television set.
> Crimp style
> With secure locking device

ACH
1.2 mm pitch
Type: Compact & disconnectable
Current rating:
2A /1 to 3 circuits (AWG#28)
1.5A / 4-5 circuits (AWG#28)
Voltage rating: 50V



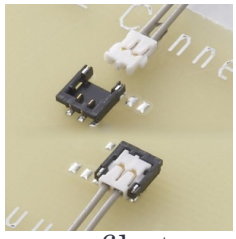
This connector is compact and low profile type, height: 1.4mm and width 4.3mm, 1.2mm pitch wire-to-board connector.
> Crimp style
> Low profile type

ACHF
1.2 mm pitch
Type: Compact & disconnectable
Current rating: 2A (AWG#28)
(4, 6 : 1A)
Voltage rating: 50V



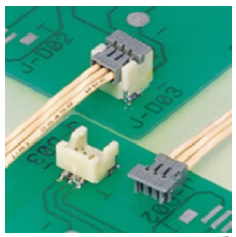
This ACHF connector is compact and low profile type, height 1.43mm and width 4.95mm, 1.2 pitch wire-to-board connector.
> Crimp style
> Low-profile type

ACHL
1.2 mm pitch
Type: Compact & disconnectable
Current rating: 2A (AWG#28)
Voltage rating: 50V



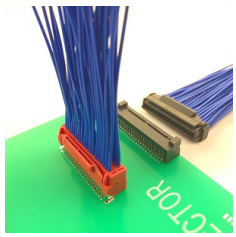
This connector is compact and low profile type, height 1.2mm and width 4.7mm, 1.2mm pitch wire-to-board connector.

AGH
1.25 mm pitch
Type: Disconnectable
Current rating: 1A
Voltage rating: 50V



This connector system has excellent operational advantages due to its top entry style. In addition, with the wires on the side, it is low profile, similar to a side entry style.
> For mobile phones
> For a battery connection

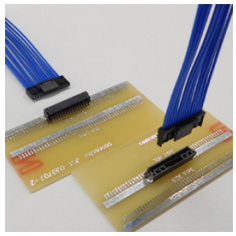
GERD
1.25 mm pitch
Type: Disconnectable
Current rating: 1.5A (AWG#26)
1.0A (AWG#28) / 0.8A (AWG#30)
Voltage rating: 50V



In order to correspond to the high-density PCB designing, this connector is designed as 1.25 mm pitch Dual row type connector.
The full lineup of 10 to 40 circuits for top and side entry types is provided. Its operability is very well, despite the small size connector with tin-plated.
> With secure locking device

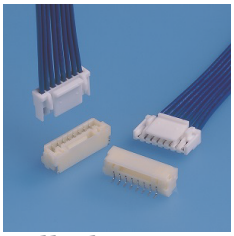
JST WTB CRIMP STYLE CONNECTORS

GEZ
1.25 mm pitch
Type: Crimp & disconnectable
Current rating: 1.5A (AWG#26)
1A (AWG#28) / 0.8A (AWG#30)
Voltage rating: 50V



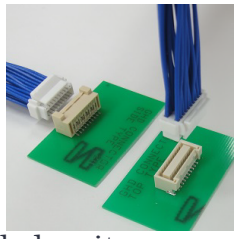
GEZ connector has been developed for market of Pachislot & Pachinko Machine.
This connector contact is interchangeable with the Dual row type GEZD connector, and this low insertion force type contact enables connector mating operation easier.

GH
1.25 mm pitch
Type: With secure locking device
Current rating: 1A (AWG#26)
Voltage rating: 50V



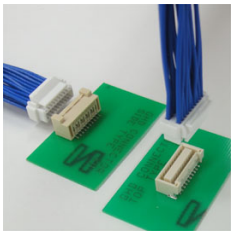
Developed for to PDP, LCD or small electronics equipments.
This low insertion force type connector realizes easier mating operation.
The basic concept of the contact part of this connector is equivalent to the performance proven SHL connector.
> Crimp style

GHD GOLD PLATED
1.25 mm pitch
Type: With secure locking device
Current rating: 1A (AWG#26)
Voltage rating: 50V



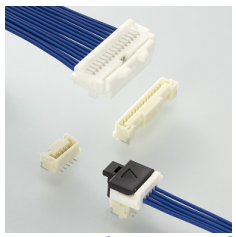
To meet the requirement of the high density mounting on PC board of flat panel TV, AV equipments etc., this connector is designed to the double-row type of 1.25mm pitch.
Its operability is very well, in spite of the small size.
> Double-row
> Disconnectable & crimp style

GHD TIN PLATED
1.25 mm pitch
Type: With secure locking device
Current rating: 1.25A (AWG#26)
1.0A (AWG#28) / 0.8A (AWG#30)
Voltage rating: 50V



To correspond to the various high-density PCB designing, this GHD connector is designed as 1.25mm pitch double row type connector.
Provide a full lineup of 10 to 40 circuits for top and side entry types. (8 circuits is currently planned.)
Its operability is very well, in spite of the small size with tin-plated.

GVH
1.25 mm pitch
Type: With secure locking device
Current rating: 1A (AWG#26)
Voltage rating: 50V



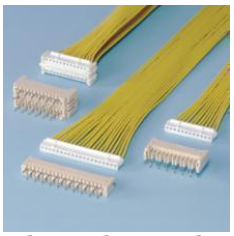
This connector has the sucking area on the top of connector without suction tape.
The side feed type for drawing out the wire laterally that considers the workability of mating and normal side entry type has been developed.
> Crimp style

ADH
1.3 mm pitch
Type: Compact & disconnectable
Current rating: 3A (Apply only 1A for the 3rd circuit of 5-circuits) (AWG#26)
Voltage rating: 30V

This ADH connector is compact and low profile type, height 1.9mm and width 4.3mm, 1.3 pitch wire-to-board connector.
> Crimp style
> Low-profile type

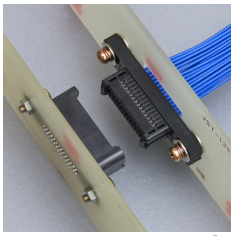
WTB CRIMP STYLE CONNECTORS

CZH/CZHW
1.5 mm pitch
Type: Compact & disconnectable
Current rating: 2A (AWG#26)
Voltage rating: 100V



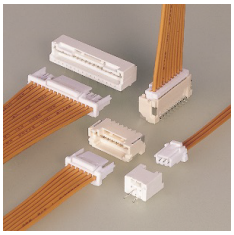
These are the crimp type sockets that share the 1.5 mm pitch insulation displacement type CZ/CZW connectors Header and the holder with dual-row socket.
More complicated harness can be designed with these sockets.

RTZ
1.5 mm pitch
Type: Drawer & double-row
Current rating: 2A (AWG#24)
Voltage rating:



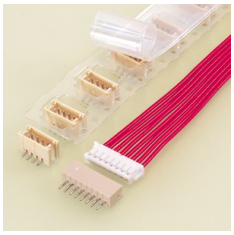
The RTZ connector is a drawer connector with floating mechanism which makes design of equipment easy.
Correspond to the miniaturization of equipment by realizing the downsizing and the space saving with 1.5 mm pitch dual-row and the distance of 19.9 mm at the minimum between board and panel.

ZE
1.5 mm pitch
Type: With secure locking device
Current rating: 2A (AWG#24)
Voltage rating: 100V



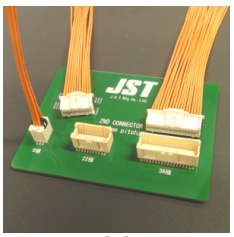
1.5mm pitch secure lock type connector.
Fork-shaped header contact provides the good mating feeling and secure mating operation.
> Crimp style

ZH
1.5 mm pitch
Type: Compact & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 50V



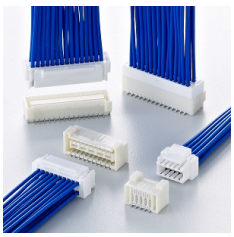
Housing lances.
The dimple at the center of the contact ensures positive contact and low contact resistance at all times.
Fully shrouded header.
The same shrouded header can be used for the ZR insulation displacement connector.
> Crimp style

ZND
1.5 mm pitch
Type: With secure locking device
Current rating: 2A (AWG#24)
Voltage rating: 100V



This is the potting treatment compatible type 1.5 mm pitch dual-row SMT mountable crimping connector with secure locking mechanism, corresponding to the high-density board design.
Excellent mating feeling is prepared, and it provides the certain mating operation.
> Crimp style

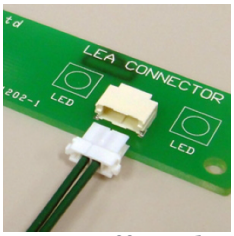
ZPD
1.5 mm pitch
Type: With secure locking device
Current rating:
2A/ 10 to 30 circuits (AWG#24)
1.5A / 32 to 40 circuits (AWG#24)
Voltage rating: 100V



This is a wire-to-board connector with 1.5 mm pitch, dual-row structure and secure lock mechanism for high-density board designs.
Low insertion force and good insertion feeling ensure reliable mating operations.

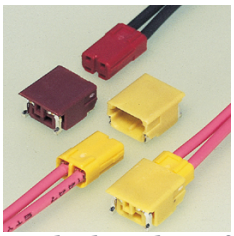
JST WTB CRIMP STYLE CONNECTORS

LEA
1.8 mm pitch
Type: With secure locking device
Current rating: 3A
Voltage rating: 300V



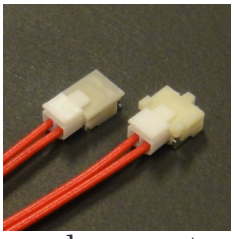
Considering that the connector does not affect the luminescence angle of LED chip, this low profile type connector (height:3.0 mm) is designed for connection to LED lamp and realized space saving.
A secure locking mechanism is arranged to this connector in order to consider the handling of wire in actual use, although this is a low profile.

SFH
1.8 mm pitch
Type: Compact & disconnectable
Current rating: 4A (AWG#22)
Voltage rating: 350V



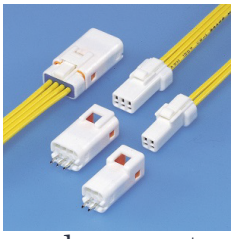
This low profile type connector with height of 3.0mm is designed for connection to stroboscope flash and realized space saving.
> Crimp style
> Low-profile type

SFK
1.8 mm pitch
Type: With secure locking device
Current rating: 4A (AWG#22)
Voltage rating: 350V



This SFK connector is a wire-to-board connector for connecting power supply and PCB and withstands high voltage.
It is used for power supply of LED backlight in Liquid Crystal Display Television set.
> Crimp style

JWPF WTB
2 mm pitch
Type: Waterproof & crimp style
Current rating: 3A (AWG#22)
Voltage rating: 100V



This is a 2.0 mm pitch wire-to-board connector with water ingress protection with an IPX7 rating per IEC 60529 (grade 7 per JIS C 0920), suitable for use for the place of which waterproof is required.
> Disconnectable type

PA
2 mm pitch
Type: With secure locking device
Current rating: 3A (AWG#22)
Voltage rating:
Standard type 250V
Retainer mountable type 100V

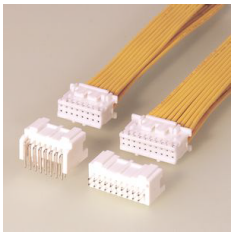
This is a crimp type board-to-wire connector that is the core one of 2.0 mm pitch PA family connectors with secure locking device.
> Disconnectable
> Crimp style

PA HIGH BOX TYPE
2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating:
Standard type 250V
Retainer mountable type 100V

This is PA connector high-box type and also mates with PAF connector (socket) of insulation displacement type.
> High box type

JST WTB CRIMP STYLE CONNECTORS

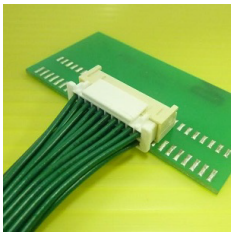
PAD



2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

This is a 2.0 mm pitch, crimp style, dual-row structure, wire-to-board connector with lock.
> Double-row
> With secure locking device

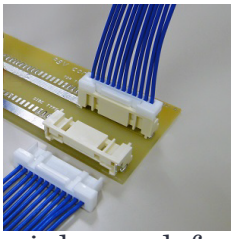
PBD



2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A
Voltage rating: 100V

> Secure locking structure
> Sucking area on header
> High reliability contact
> Side entry dual-row type
> Applicator is interchangeable with those of the PHD connector contact
> With secure locking device

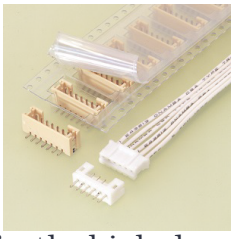
PBV



2 mm pitch
Type: Crimp & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 100V

This PBV connector, which is mainly used for connecting PCB of flat television, is a crimping type connector and is designed to have a secure locking structure and a sucking area.

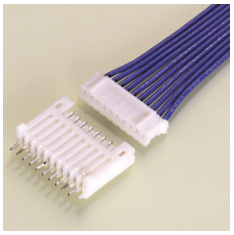
PH



2 mm pitch
Type: Crimp & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 100V

It is designed to meet the demand for the high-density connection of internal wires to PC boards.
It is compact, highly reliable and low in cost.

PH HIGH BOX



2 mm pitch
Type: Crimp & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 100V

PH connector high box type, with 17 mm mounting height and with 4.5 mm thickness.

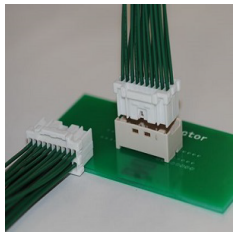
PHD

2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

This is a 2.0 mm pitch board-to-wire connector with dual-row structure. In mounting height of 8.8 mm and depth of 5 mm, this connector realizes low profile and space-saving, and supports a compact and high densification of equipment.
> Double-row

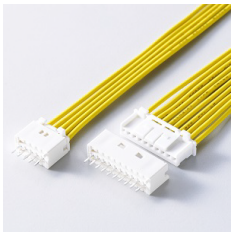
JST WTB CRIMP STYLE CONNECTORS

PID
2 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 250V



This PID is a 2.0mm pitch box type WTB connector with secure lock device, and it has the mechanism for detecting half mating, which is possible to judge electrically whether its state is the complete or incomplete mating by the circuit of detecting half mating provided at the center part of connector.
> Incomplete mating detection

PLI
2 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 100V

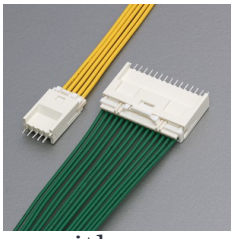


This is a 2.0 mm pitch wire-to-board connector with a mechanism to prevent incomplete mating, and designed as low profile type connector with mounting height of 9.6 mm.
> Compact type
> With secure locking device
> Low-profile type

PND
2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

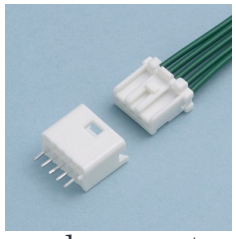
This is a board-to-wire connector with secure locking specification, which achieved excellent workability and withstanding external force.
Realize 2.0 mm pitch dual-row, and support a high densification of equipment.
> With secure locking device

PNI HIGH BOX
2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A
Voltage rating: 100V



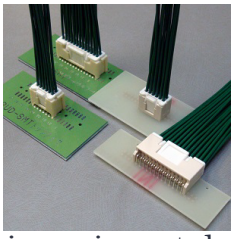
This is a board-to-wire connector with secure locking device that has been designed to 2 mm pitch high box type, with a mounting height of 19.95 mm (including retainer) and 6.65 mm in depth. Low insertion force type contact is adopted and it provides excellent operability.
Retainer is available as usage.
> With secure locking device

PNI
2 mm pitch
Type: Crimp & compact
Current rating: 3A (AWG#22)
Voltage rating: 100V



This is a 2.0 mm pitch wire-to-board connector with a mechanism to prevent incomplete mating.
> With inertia force mechanism with secure locking device

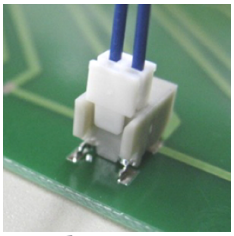
PUD
2 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V



Connector with secure locking device, crimp style and double-row. With low insertion force, the table electric connection is demonstrated against the condition such as vibration, pinching and dry circuit. Possible to unfasten the locking even if the header is surrounded with a case wall within height of header because the tip of locking device in receptacle does not protrude from its area.

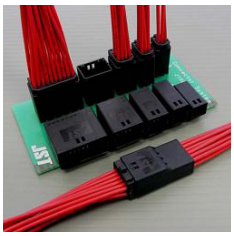
JST WTB CRIMP STYLE CONNECTORS

SFV
2 mm pitch
Type: Crimp style
Current rating: 1A (AWG#28)
Voltage rating: 300V



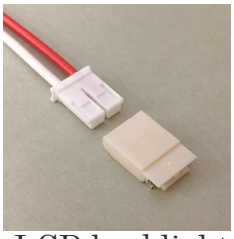
This SFV connector is a wire-to-board connector for connecting power supply and PCB and withstands high voltage.
It is used for power supply of LED backlight in Liquid Crystal Display Television set.
> With secure locking device

JFA J1000 SERIES
2.2 mm pitch
Type: Crimp & interlock type
Current rating: 6.4A (AWG#18)
Voltage rating:125V:J1100 series
250V:J1800 series



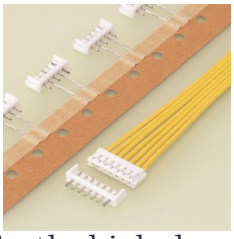
Connectors for signal circuit or power supply circuit, applicable to the factory automation, heavy electric machinery, and other industrial equipment in general.
In spite of various kinds of housings available, their contacts are designed to be common.
The applicable tooling can be standardized.

BHL
2.3 mm pitch
Type: Compact & disconnectable
Current rating: 1A (AWG#24)
Voltage rating: 1400V



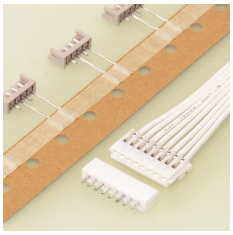
This is wire-to-board connector for LCD backlight power supply.
The board occupied area is smaller than our BHS connector designed for the same purpose, and the mounting height is 13% lower than the BHS, achieving 2.8 mm.
> Low profile
> For LCD back light lamps

EH
2.5 mm pitch
Type:Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V



It is designed to meet the demand for the high-density connection of internal wires to PC boards.
> Tin type

HR
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V



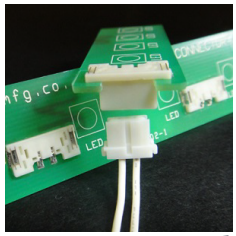
The dimple in the contact ensures positive contact.
The same header can be used for either the HR insulation.
displacement connector or the EH crimp style connector.
> Thin design

JFA J2000 SERIES
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: Max 4.6A
(3 circuits / AWG#20)
Voltage rating: 250V

Connectors for miniaturization of electronic equipment.
Center locking and side locking options can be used depending on the required application.
Receptacle are designed to be common with all JFA connector J2000 series.

JST WTB CRIMP STYLE CONNECTORS

LEX



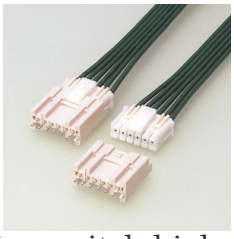
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 300V
Designed as low profile bottom type connector for LED lighting equipment, and achieves the space saving at the connector mounting side.With connector mating operation, secure lock and mechanism for preventing wrong insertion are provided. The load may be applied to the soldering part when mating the connector, the strength of soldering part after mounting the connector on PCB has been largely improved.

NH

2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

This is a 2.5 mm pitch connector for connecting PCB and wires, and consists of a contact, housing and header.
There are three types of Header: top, side and bottom entry types, which allow wires to be drawn up, down, or parallel to the PCB by combining them.
> With secure locking device

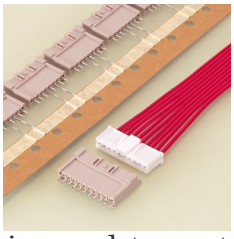
PXA



2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

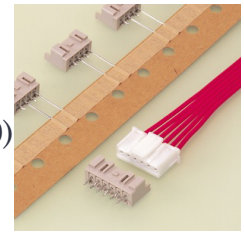
Secondary retainer mountable 2.5mm pitch high-box type, with 20.5mm mounting height.
Fully shrouded header has the walls between every circuit to consider as the structure against vibration or prying.
> With secure locking device

XA HIGH BOX



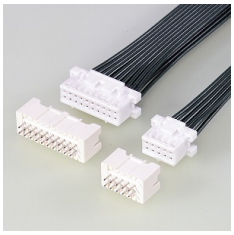
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V
The header is tall and fully shrouded so as to prevent the resin used to coat the PCB coming into contact with the mating pins.
Designed for use specifically with resin coated («potted») PCB.
> Header is designed to accept XA mating receptacles
> Secure locking device prevents accidental disconnection

XA



2.5 mm pitch
Type: Crimp & disconnectable
Current rating: .3A (AWG#22#20)
Voltage rating: 250V
Secure locking device prevents accidental disconnection.
Header wafer is made of solder crack preventive material, glass-filled PA66 nylon.
Header pins are round and reflow-treated, which provides low insertion force.
Shrouded headers on radial-tape are also available.
Headers with polarizing bosses are also available.

XAD

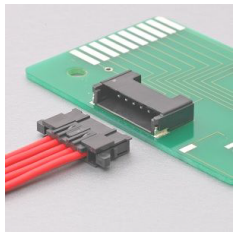


2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#20)
Voltage rating: 250V

Double-row construction.
Header wafer is made of solder crack preventive material, glass-filled PA66 nylon.
Secure locking device prevents accidental disconnection.
> With secure locking device

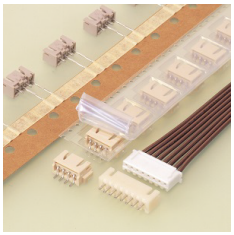
JST WTB CRIMP STYLE CONNECTORS

XAG
2.5 mm pitch
Type: Crimp style
Current rating: 3A (AWG#20)
Voltage rating: 250V



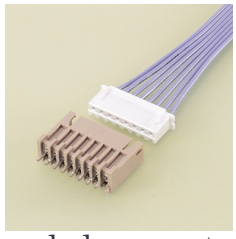
This is a 2.5mm pitch, crimp style, wire-to-board connector.
> With secure locking device

XH
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V



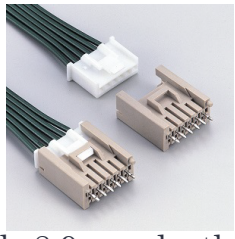
This connector was developed based on the high reliability and versatility of our NH series connectors.
The connector is very small with mounting height of 9.8mm.
> Shrouded header type

XH HIGH BOX
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V



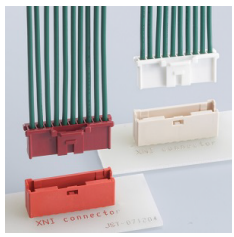
The header is tall and fully shrouded so as to prevent the resin used to coat the PC board coming into contact with the mating pins. Designed for use specifically with resin coated («potted») PCB.
The header is a designed to accept XH mating receptacles.

XM HIGH BOX
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22#20)
Voltage rating: 250V



High-box type XM connector with 8.9mm depth and 2.0mm height after assembly.
> With inner type secure locking device

XNI
2.5 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 250V



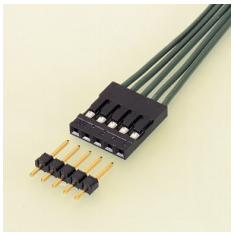
This connector is 2.5mm pitch WTB connector that has a mechanism to prevent an incomplete mating by utilizing the inertial force when mating connector.
In all circuits of connector, controlled key for preventing mismatching of mating is added.
> With secure locking device
> Inertial lock structure

RA CRIMP TYPE
2.54 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#22)
Voltage rating: 300V

Crimp style receptacles that are designed to mate with headers conforming to MIL-C-83503.
> Housing lances
> The guide devices of both housing and header prevent reverse connector insertion
> I/O connector

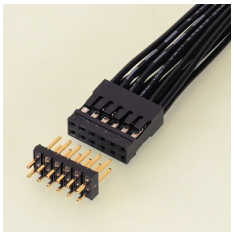
WTB CRIMP STYLE CONNECTORS

RE
2.54 mm pitch
Type: Crimp & disconnectable
Current rating: 2A (5 circuits AWG#24)
Voltage rating: 250V



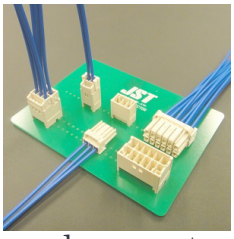
Well suited for completing the internal connections of office automation equipment, such as personal computers, office computers, and their peripheral devices.
Double-leaf spring contact withstands the stresses caused by repeated mating and unmating.
> Internal connection for OA equipments

RF
2.54 mm pitch
Type: Crimp & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 250V



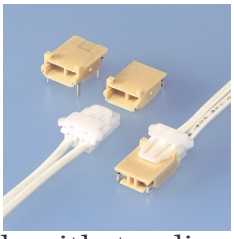
Well suited for completing the internal connections of office automation equipment, such as personal computers, office computers, and their peripheral devices.
Double-leaf spring contact withstands the stresses caused by repeated mating and unmating.
> Internal connection for OA equipments
> Double row

BNI
3.3 mm pitch
Type: Inertial lock structure
Current rating: 4A (AWG#20)
Voltage rating: 300V



This is a 3.3 mm pitch wire-to-board connector with a mechanism to prevent incomplete mating. Three different key patterns per number of circuits in the same model are provided to prevent incorrect mating when multiple pieces of connector are used in close proximity.

BD
3.5 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#24)
Voltage rating: 1400V

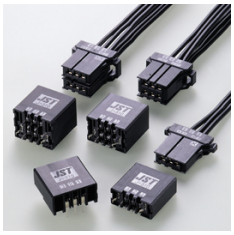


Board-to-wire connector with high withstanding voltage, used for power supply of LCD (Liquid Crystal Display) back light.
> For LCD back light lamps
> With secure locking device

BHS
3.5 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#24)
Voltage rating: 1400V

Low profile connectors with high withstanding voltage, designed for connecting liquid crystal display back light lamps to their starters.
Its crimp style contact can be inserted into the housing with little force, thus making them suitable for use with flexible wires such as those insulated with silicone rubber.
> SMT configuration / for LCD back light lamps

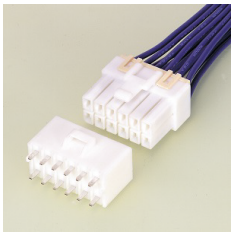
JFA J300 SERIES
3.81 mm pitch
Type: Crimp & disconnectable
Current rating: 15A (Single circuit / AWG#14)
Voltage rating: 250V



Connectors for signal circuit or power supply circuit, applicable to the factory automation, heavy electric machinery, and other industrial equipment in general.

JST WTB CRIMP STYLE CONNECTORS

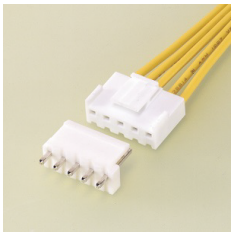
HL



3.96 mm pitch
Type: Crimp & disconnectable
Current rating: 7A (4 circuits / AWG#18)
Voltage rating: 300V

The HL connectors can be used for WTW or WTB connections.
> The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
> Secondary retainers (optional)
> Shrouded header type
> With inner type secure loking device

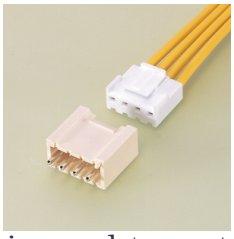
VH



3.96 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (AWG#16)
Voltage rating: 250V

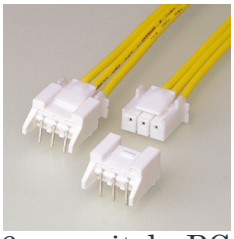
This small, field-proven connector for PC boards is reliable and has a large current carrying capacity.
It can be used with a wide variety of signal, power supply, and output circuits that appear in consumer electronic products.
> Compact type
> With locking device

VH HIGH BOX



3.96 mm pitch
Type: Crimp & disconnectable
Current rating: 7A & 10A
Voltage rating: 250V
The header is tall and fully shrouded so as to prevent the resin used to coat the PCB coming into contact with the mating pins. Designed for use specifically with resin coated («potted») PCB. The header is designed to accept VH mating receptacles. The housing has a lock mechanism which prevents the connector from coming loose due to vibration. The mechanism also prevents misinsertion.

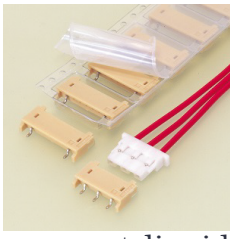
VU



3.96 mm pitch
Type: With secure locking device
Current rating: 5A (AWG#18)
Voltage rating: 250V

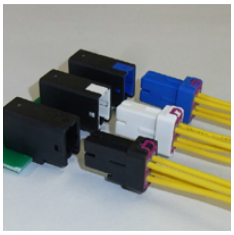
VU connector is small type 3.96mm pitch PC board connector for large current and has the high reliability in a power supply circuit, considering the fully shrouded connector header structure against «vibrating connector» and «distored extraction».
> Crimp style & disconnectable

BH



4 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#22)
Voltage rating: 600V
Low profile connectors with high withstanding voltage, designed to connect liquid crystal display back light lamps to their starters. Its crimp style contact can be inserted into the housing with little force, thus making them suitable for use with flexible wires such as those insulated with sillicone rubber.
> SMT configuration
> For LCD back light lamps

JWPS

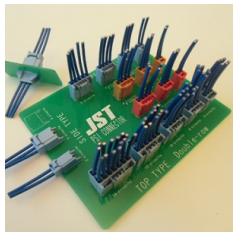


4 mm pitch
Type: Crimp & disconnectable
Current rating: 4A (AWG#22)
5A (AWG#20) / 6A (AWG#18)
Voltage rating: 300V

This JWPS connector can be used for the place of which especially waterproof is required.
This is the wire-to-board connector that is grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529).
> Waterproof connector

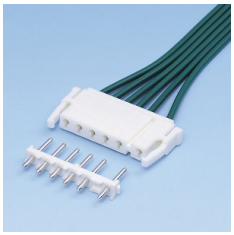
JST WTB CRIMP STYLE CONNECTORS

PSI
4 mm pitch
Type: Secure locking device
Current rating: 12A
Voltage rating: 300V



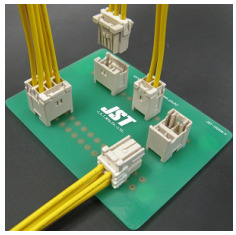
This connector is designed for WTB and WTW 4.0mm pitch.
Low insertion force type contact is adopted and it provides excellent operability.
It has the secure locking device that has the mechanism for preventing the inverse insertion. By adopting key shape and multi colors of housing, prevention function of mis-mating is considered.

DV
5 mm pitch
Type: Crimp & disconnectable
Current rating: 5A (AWG#20)
Voltage rating: 250V



One position has a different pitch than the others. It provides the connector with polarization & prevents misinsertion. Each contact has two wiping areas which ensure stable and reliable connection.
> With locking device
> Polarization by pin arrangement
> Two-point contact
> Housing lances

HYV
5 mm pitch
Type: Inertial lock structure
Current rating: 10A
Voltage rating: 300V

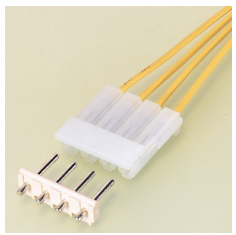


This is a 5.0 mm pitch WTB connector with a mechanism to prevent incomplete mating.
The box-shaped structure of the contacts, which prevents the influence of external force, enhances the safety of high-current circuit connections, and the four types of key patterns prevent incorrect mating when using more than one piece of the same circuit types in narrow areas.

NV
5 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (AWG#16)
Voltage rating: 250V

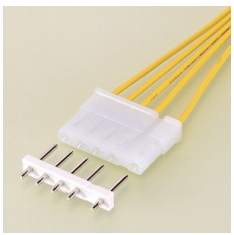
Suitable for a wide range of applications, from low-voltage, low-current signal circuits to power supply circuits requiring large currents.
> With locking device

SV
5 mm pitch
Type: Crimp & disconnectable
Current rating: 5A (AWG#20)
Voltage rating: 250V



The directional features of the housing prevent reverse contact insertion.
The housings with two or four circuits have locking mechanisms.
This feature provides polarization and prevents misinsertion.

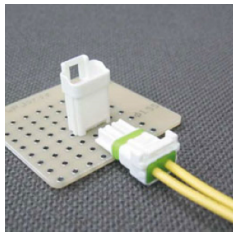
V
5 mm pitch
Type: Crimp & disconnectable
Current rating: 5A (AWG#20)
Voltage rating: 250V



One position has a different pitch than the others. This provides the connector with polarization and prevents misinsertion.
Each contact has two wiping areas which ensure stable and reliable connection.
> Two-point contact
> Polarization by pin arrangement

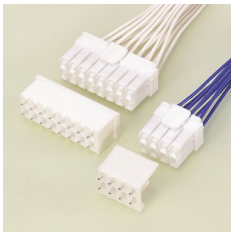
JST WTB CRIMP STYLE CONNECTORS

WPJ
5 mm pitch
Type: Crimp & disconnectable
Current rating: 7A (AWG#18)
Voltage rating: 300V



Compact, Water Resist & Durable.
This connector for electrical connection can be used on both waterproof and non-waterproof conditions, depending on usage.
Just by placing a rubber part will change it into a water resistant connector.
Both conditions are using the same header.

XL
5 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (2 circuits / AWG#16)
Voltage rating: 150V



This is a highly reliable board-to-wire connector developed based on the proven track record of VH connectors, which are already used in numerous electronic and electrical equipment such as home appliances, vending machines, and office machines.
> With locking device

JFA J300 SERIES
5.08 mm pitch
Type: Crimp & disconnectable
Current rating: 15A (Single circuit / AWG#14)
Voltage rating: 600V

Connectors for signal circuit or power supply circuit, applicable to the factory automation, heavy electric machinery, and other industrial equipment in general.

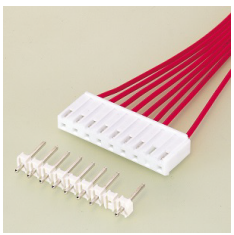
LC
5.08 mm pitch
Type: Crimp & disconnectable
Current rating: 7A (AWG#18)
Voltage rating: 250V

This connector is suited for bringing power to PCB in office automation equipment.
A major application has been in secondary power supply circuits of floppy disk drives.
The plug & header are polarized, thus preventing misinsertion of the connector.
> Secondary power supply for OA equipments

LC-L
5.08 mm pitch
Type: Crimp & disconnectable
Current rating: 5A (AWG#20)
Voltage rating: 250V

This connector is for the secondary power circuit used in the office automation equipment, such as the 3.5inch HDD and MO, including the DVD.
> Secondary power supply for OA equipments

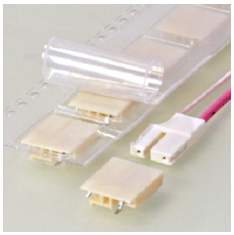
VB
5.08 mm pitch
Type: Crimp & disconnectable
Current rating: 7A (AWG#18)
Voltage rating: 250V



This large current carrying capacity connector can be used with primary power supply circuits of consumer electronic products and various other circuits requiring large currents.
> Box-shaped contact

JST WTB CRIMP STYLE CONNECTORS

BHT
5.1 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#24)
Voltage rating: 1500V

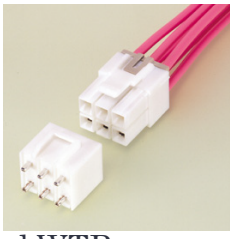


Low profile connectors with high withstanding voltage, designed for connecting liquid crystal display back light lamps to their starters.
> For LCD back light lamps
> Low profile type
> Crimp style

JFA J4000 SERIES
6 mm pitch
Type: Crimp & disconnectable
Current rating: 20A (3 circuits / AWG#12)
Voltage rating: 600V

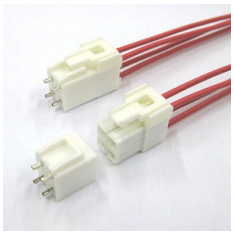
Compact and high current capacity connector. This connector realizes high-density mounting on PCB.

VL
6.2 mm pitch
Type: Crimp & disconnectable
Current rating: 20A (AWG#12)
Voltage rating: 600V



This VL is a 6.2 mm pitch WTW and WTB connector, designed for large current.
Secondary retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safety.
> High current rating
> With inner type secure locking device

VL HIGH CURRENT
6.2 mm pitch
Type: Crimp & disconnectable
Current rating: 23A (2 circuits / AWG#12)
Voltage rating: 600V

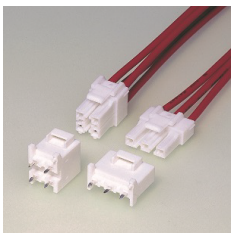


This VL is a 6.2 mm pitch WTB connector.
The connector suitable for the high current has been realized by using highly-conducting material.
> High current rating

JFA J4000 SERIES
6.35 mm pitch
Type: Crimp & disconnectable
Current rating: 20A (3 circuits / AWG#12)
Voltage rating: 600V

Compact and high current capacity connector. This connector realizes high-density mounting on PCB.

VYH
6.35 mm pitch
Type: Crimp & disconnectable
Current rating: 15A (2 circuits / AWG#14)
Voltage rating: 300V



This VYH connector is designed for WTB 6.5 mm pitch connector corresponding to large current. Retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safely.
> High current rating

JST WTB CRIMP STYLE CONNECTORS

VA

7.92 mm pitch
Type: Crimp & disconnectable
Current rating: 7A (AWG#18)
Voltage rating: 250V

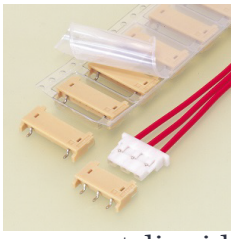
This large current carrying capacity connector can be used with primary power supply circuits of consumer electronic products and various other circuits requiring large currents.
Compact connector (with a mounting height of 17.5mm) with a large capacity (7A).
>With locking device

VAJ

7.92 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (AWG#16)
Voltage rating: 250V

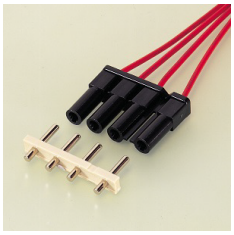
7.92 mm pitch crimp style, large current carrying capacity connector, that is best suited for various kinds of power supply circuits.
Box-shaped contacts offer reliable connection.
> High current rating
> With locking device

BH



8 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#22)
Voltage rating: 600V
Low profile connector with high withstanding voltage, designed to connect liquid crystal display back light lamps to their starters.
Its crimp style contact can be inserted into the housing with little force, thus making them suitable for use with flexible wires such as those insulated with sillicone rubber.
> SMT configuration
> For LCD back light lamps

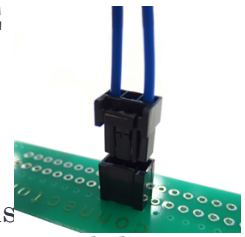
LV



8 mm pitch
Type: Crimp & disconnectable
Current rating: Standard type 5A (AWG#20) Low insertion force type / 7A (AWG#18)
Voltage rating: 250V

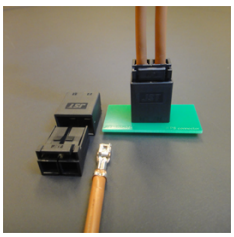
This connector can be connected to headers having 2.36mm diameter pins.
The mating section of the contact has a triangular configuration so that the terminal grips the round mating pin at three points.
One position has a different pitch than the others.

PSI HIGH CURRENT D TYPE



8 mm pitch
Type: Crimp style / High current
Current rating: 15A
Voltage rating: 600V
Low insertion force type contact is adopted and it provides excellent operability.
It has the secure locking device that has the mechanism for preventing the inverse insertion.
It's suitable for the large electric current was realized by using highly-conducting material.
By adopting key shape and multi colors of housing, prevention function of mis-mating with conventional PSI connector is considered.

JFPS



8.8 mm pitch
Type: Crimp & compact type
Current rating: 35A (2 circuits AWG#10)
Voltage rating: 600V

Small type connector for large current.
This connector corresponds the rated current of 35A at 2 circuits and is a top entry type board-to-wire connector.
> With secure locking device

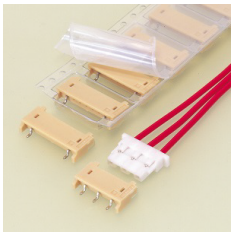
JST WTB CRIMP STYLE CONNECTORS

VT

11.88 mm pitch
Type: Crimp & disconnectable
Current rating: 12A (AWG#16)
Voltage rating: 250V

Can be connected to vinyl insulated flat cables (as SPT, HVFF) ranging from AWG #20 to 16 which are used for primary sides of power circuits.
PCB locking device makes temporary mounting and correct positioning onto the board easy.
Misinsertion preventive construction and arm-lock mechanism.
> With locking device

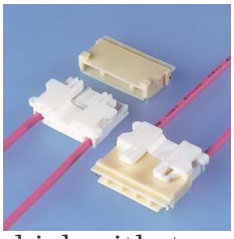
BH



12 mm pitch
Type: Crimp & disconnectable
Current rating: 1A(AWG#22)
Voltage rating: 600V

Low profile connectors with high withstanding voltage, designed for connecting liquid crystal display back light lamps to their starters.
Its crimp style contact can be inserted into the housing with little force, thus making them suitable for use with flexible wires such as those insulated with sillicone rubber.
> SMT configuration / For LCD back light lamps

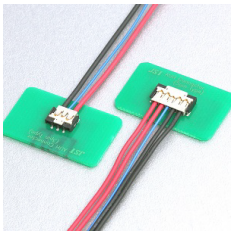
BD



13 mm pitch
Type: Crimp & disconnectable
Current rating: 1A (AWG#24)
Voltage rating: 3000V

WTB crimping type connector with high withstanding voltage, used for power supply of large LCD (Liquid Crystal Display or Liquid Crystal Television) back light.
> For LCD back light lamps
> With secure locking device

AUH



Type: Crimp & disconnectable
Current rating: Power supply circuit / 5A (AWG#22)
Signal circuit / 1A
Voltage rating: 30V

This AUH connector is compact & low profile type, height 1.85mm & width 5.2mm, WTB connector. And also 5A in rating current was realized.
> Low profile type
> Compact type

CN

Type: Crimp & disconnectable
Current rating: 1A (AWG#25)
Voltage rating: 250V

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.
> Coaxial connector

JFA FOR MOTOR

Type: Connector kit

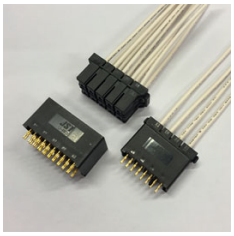
JST WTB CRIMP STYLE CONNECTORS

JFA METAL SHELL

Type: Crimp & disconnectable

Metal shell type I/O connector which contacts are used also with JFA connector J2000 series and J300 series.

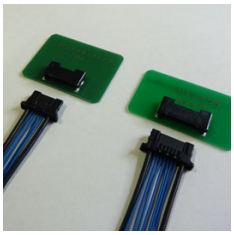
JFA J-PF3 PRESS FIT TYPE



Type: Press fit & disconnectable
Current rating: 13A (4 circuits / AWG#14)
Voltage rating: 250V

Adopt high reliability press fit and enable solderless mounting.

LBT A TYPE



Type: Hybrid model WTB
Current rating: Power supply 7A (AWG#20) Signal circuit 0.5A (AWG#28)
Voltage rating: 50V

Made to connect the lithium polymer battery or DC-IN, and has the sequence structure for connection to the power supply circuit in preference to connection to the signal circuit by dividing the signal circuit and power supply circuit clearly. This low profile connector (space saving) applies high current by adopting the heat radiation structure.

SDF

Type: Crimp & disconnectable
Current rating: 5A

This connector is used for 1.3 mm diameter and 1.0 mm square contacts.

SMF

Type: Crimp & disconnectable
Current rating: 5A

For 1.0mm and 1.3mm diameter pins, having a funnel shaped lead-in to ease insertion and to ensure a balance with its high retaining force.
> Single circuit type

SPF

Type: Crimp & disconnectable
Current rating: 5A

This connector is used with 2.36mm diameter GT pins.

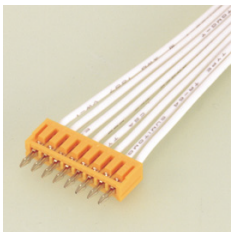
CHAPTER 2
WTB CRIMP STYLE BOARD IN CONNECTORS

WTB BOARD IN CRIMP STYLE CONNECTORS

SZN
1.5 mm pitch
Type: Board in / Crimp style
Current rating: 0.7A (AWG#26)
Voltage rating: 50V

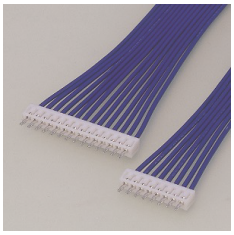
This low-profile, board-in connector, with a mounting height of only 4.25mm and a thickness of 2.4mm, is soldered directly onto PCB.

SAN
2 mm pitch
Type: Board in / Crimp style
Current rating: 2A (AWG#24)
Voltage rating: 250V



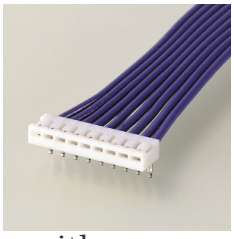
This multi-circuit board-in connector meets the needs for high-density mounting on PCB efficiently and economically.

SGN
2 mm pitch
Type: Board in / Crimp style
Current rating: 2A (AWG#24)
Voltage rating: 250V



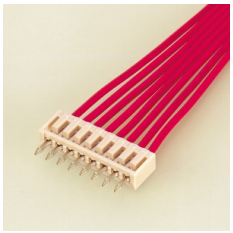
A dimension of 2.0mm pitch, 4.0mm mounting height and 2.9mm depth. This board-in type connector will enhance the mounting density of the PCB even further as well as improve rationalization and reduce the total cost of production. This product will be suitable for the internal connector of low profile equipment, such as audio equipment (including car audio) and the STB.

SJN
2 mm pitch
Type: Board in / Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 250V



Side entry type board-in connector, with a mounting height of only 2.8mm and a thickness of 4.9mm.

SCN
2.5 mm pitch
Type: Board in / Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 250V



This multi-circuit board-in connector meets the needs for high-density mounting on PC boards efficiently and economically.

SDN
3.96 mm pitch
Type: Board in / Crimp style
Current rating: 7A (AWG#18)
Voltage rating: 250V

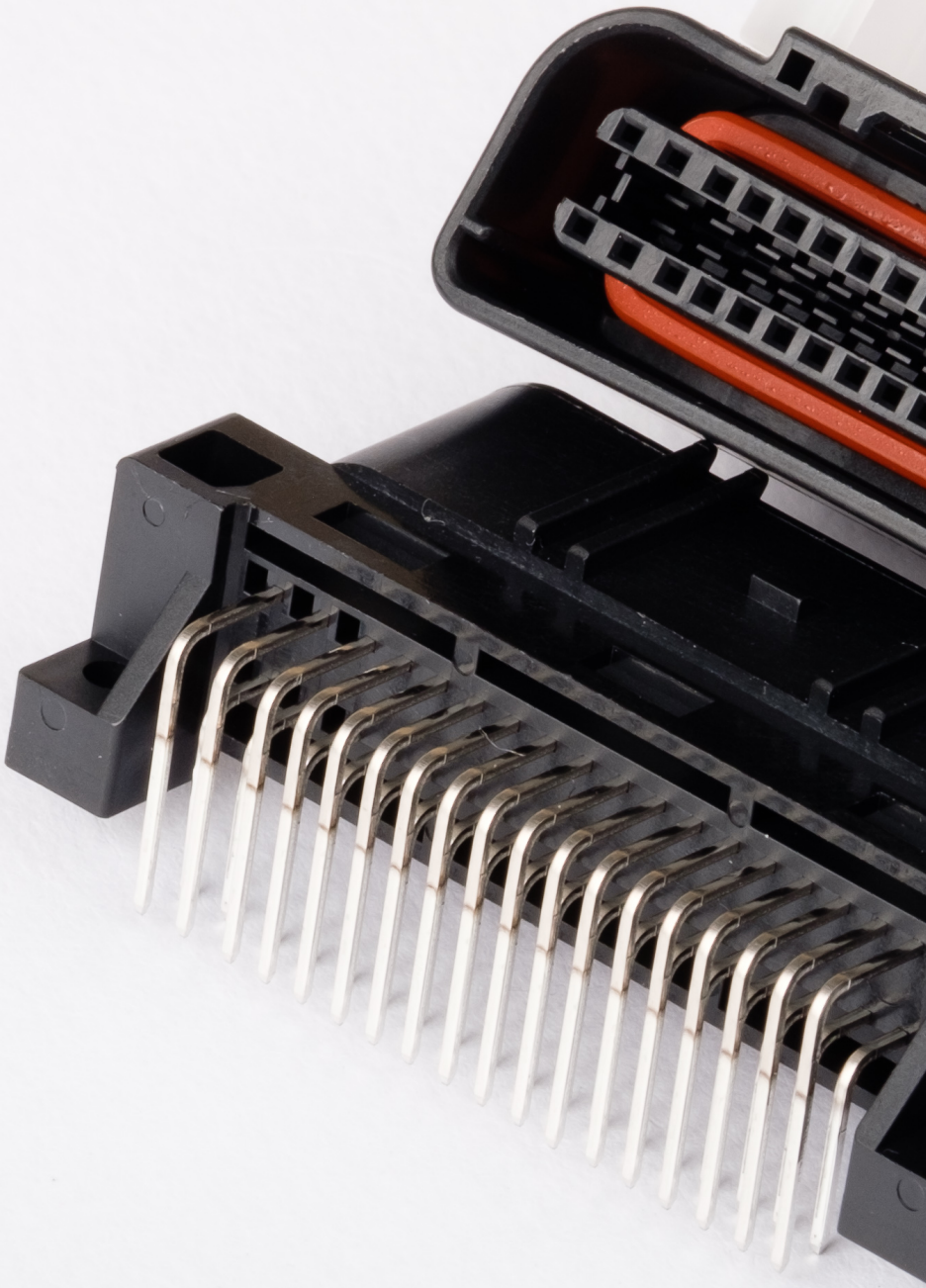
This board-in connector is capable of connecting a wide variety of circuits including signal and power supply circuits.
The connector features a slim, low-profile design.

WTB BOARD IN CRIMP STYLE CONNECTORS

SIN

Type: Board in / Crimp style
Current rating: Depends of wires

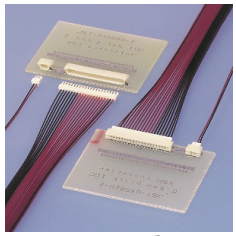
These are a diverse set of single -pole board-in-connectors to which a wide range of AWG #30 to #10 wires can be applied.



CHAPTER 3
WTB INSULATION DISPLACEMENT CONNECTORS

JST WTB IDC

XSR
0.6 mm pitch
Type: IDC & disconnectable
Current rating: 0.2A
Voltage rating: 30V

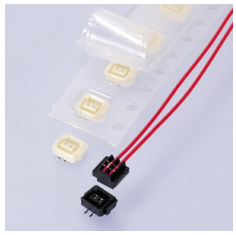


This is the world's smallest 0.6mm pitch ID connector for discrete wires.
This wire-to-board miniaturised connector has a mounting height of 1.45mm and depth of 3.0mm.

SUR
0.8 mm pitch
Type: IDC & disconnectable
Current rating: 0.5A (AWG#32)
0.2A (AWG#36)
Voltage rating: 30V

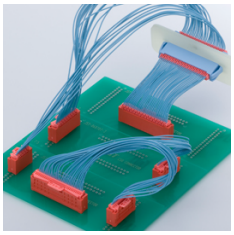
The world's first 0.8mm pitch wire-to-board insulation displacement connector.
Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment.
> Compact & Low profile type

ASR
1 mm pitch
Type: IDC & disconnectable
Current rating: 0.7A
Voltage rating: 50V



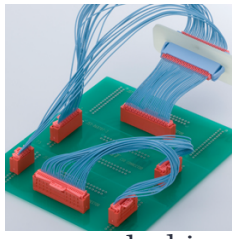
> Ultra-compact
> Twin U-slot ID section
> Header is designed for vacuum pick and place robotics
> Top entry & Wire side-feed type

CS
1 mm pitch
Type: IDC & disconnectable
Current rating:
CSR, CS/1.8A (AWG#27)
CSH, CS/2A (AWG#26)
Voltage rating: 50V



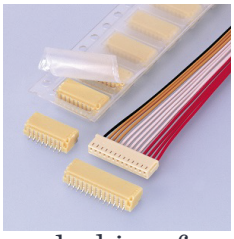
> Secure locking structure
> Realization of multi-circuits by low insertion force
> Countermeasure for unexpected prying insertion

CSR
1 mm pitch
Type: IDC & disconnectable
Current rating: CSR, CS/1.8A (AWG#27)
Voltage rating: 50V



This is a 1.0mm pitch IDC with the secure locking structure to prevent coming off the connector and incomplete mating. 1.8A in rated current was realized by using AWG#27.
The various wide usage can be provided, since multi-IDC-harnesses by automatic IDC machine, crimping type, and header for wire to wire connection are available.

SR / SZ
1 mm pitch
Type: IDC & disconnectable
Current rating: 0.7A
Voltage rating: 50V



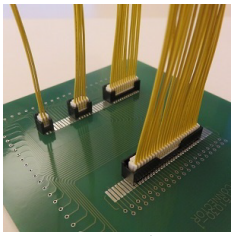
Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment.
The same shrouded header can be used for the SH crimp style connector.
> Compact design
> Twin U-slot ID section

JST WTB IDC

SSR
1 mm pitch
Type: IDC & disconnectable
Current rating: 0.5A
Voltage rating: 50V

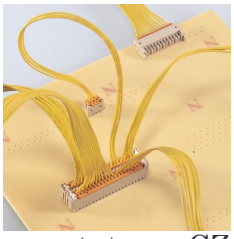
Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment.
> Twin U-slot ID section
> Compact design & Low profile type

GX
1.25 mm pitch
Type: IDC & compact type
Current rating: 2A (AWG#26)
Voltage rating: 50V
Narrow pitch (1.25 mm)



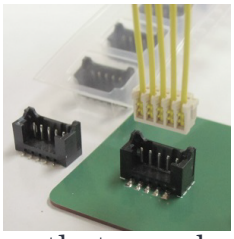
compatible with AWG # 26 (UL10272/11079).
SMT that promotes automation without suction tape.
Low insertion force type is adopted focusing on workability.
This connector has the lever type friction lock to prevent incomplete insertion by click feeling when inserting.

CZ / CZW
1.5 mm pitch
Type: IDC & disconnectable
Current rating: 2A (AWG#26)
Voltage rating: 100V



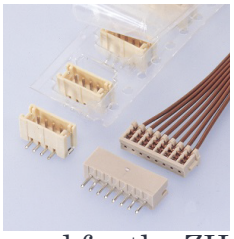
1.5 mm pitch insulation displacement type CZ connector, holder for making that socket connector in dual-row, and the variety of header for them can support rationalization of manufacturing the complicated harnesses and high density of mounting on PCB.
> Space saving mountable

CZF
1.5 mm pitch
Type: Disconnectable
Current rating: 2A (AWG#26)
Voltage rating: 100V



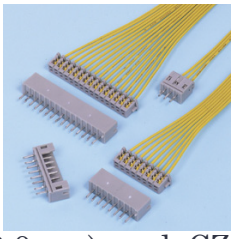
The SMT top entry type headers that can be mated with the 1.5mm pitch CZ connector socket are on the lineup.

ZR
1.5 mm pitch
Type: IDC & disconnectable
Current rating: 0.7A (AWG#28)
Voltage rating: 50V



The same shrouded header can be used for the ZH crimp style connector.
> Twin U-slot ID section
> Fully shrouded header
> Compact

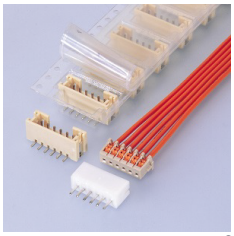
CK
2 mm pitch
Type: IDC & disconnectable
Current rating: 2A (AWG#26)
Voltage rating: 100V



Multi-harness of CK connector(2.0mm) and CZ connector(1.5mm) combination has been realized.
> Low profile type

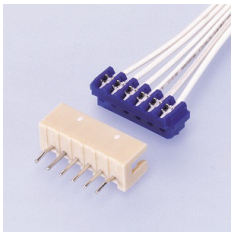
JST WTB IDC

CR
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A
Voltage rating: 100V



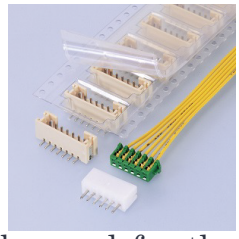
This connector is suitable for interconnection of UL1007 electric wires in a wide range of electrical and electronic equipment such as TVs.
The same shrouded header can be used for the KR/KRD IDC or the PH crimp style connector.
> Folded beam double-leaf contact construction
> Twin U-slot ID section

DR
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 100V



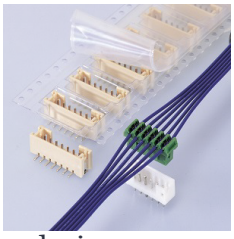
With a mounting height of 5.0 mm and a thickness of 4.8 mm (top entry type), it is the industry-leading space-saving 2.0 mm pitch mating type wire-to-board connector.
> Space saving mountable

KR
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 100V



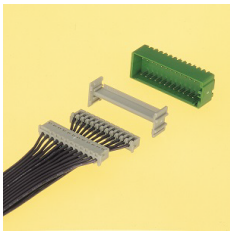
The same shrouded header can be used for the CR/KRDinsulation displacement connectors or the PH crimp style connector.
> Folded beam double-leaf contact construction
> Twin U-slot ID section
> Low-profile type

KRD
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 100V



The KRD connector allows 'daisy chain connections' or 'through connections', with these simple connections, many signals can be bussed to many different PC boards.
> The same shrouded header can be used for the CR/KR IDC of the PH crimp style connectors
> Twin U-slot ID section & fully shrouded header
> Daisy chain connection

KRW
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 100V



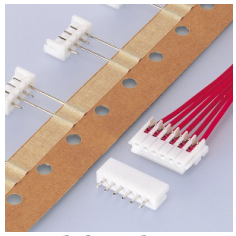
KRW connector allows dual-row WTB connection using either the KR or PHN connectors.
> Multi-IDC-harnesses are possible.
> Various types of connectors
In addition to the KRW, KR, PHN and TR connectors, there are other 2.0mm pitch connectors available such as the KRD, CR, DA, DD and DS ranges.

PAF
2 mm pitch
Type: IDC & disconnectable
Current rating: 1A (AWG#26)
Voltage rating: 100V

This is the first versatile IDC with secure locking device for consumer appliance in the industry.
It is one of the 2.0 mm pitch PA family connectors with secure locking device.
The header is shared with the PA connector, and also mates with the WTW PAL connector.
> With secure locking device

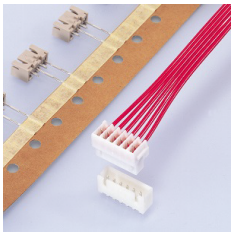
JST WTB IDC

HR
2.5 mm pitch
Type: IDC & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 250V



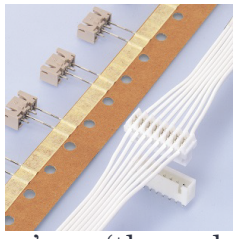
The same shrouded header can be used for the EH or HR crimp style connector.
> Thin design
> Twin U-slot ID section

NR
mm pitch
Type: IDC & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 250V



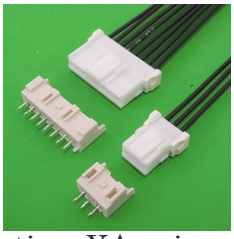
The same shrouded header can be used for the XH crimp style connector, the NRD and the BR insulation displacement connectors, and the JQ BTB connector.
> Top entry
> Wire side-feed type
> Twin U-slot ID section

NRD
2.5 mm pitch
Type: IDC & disconnectable
Current rating: 2A (AWG#24)
Voltage rating: 250V



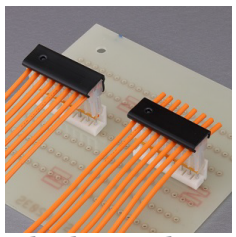
It allows 'daisy chain connections' or 'through connections', with these simple connections, many signals can be bussed to many different PCB.
The same shrouded header can be used for the XH crimp style connector, the NR and the BR iIDC, and the JQ BTB connector.
> Twin U-slot ID section
> Fully shrouded header

XAF
2.5 mm pitch
Type: IDC & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 150V

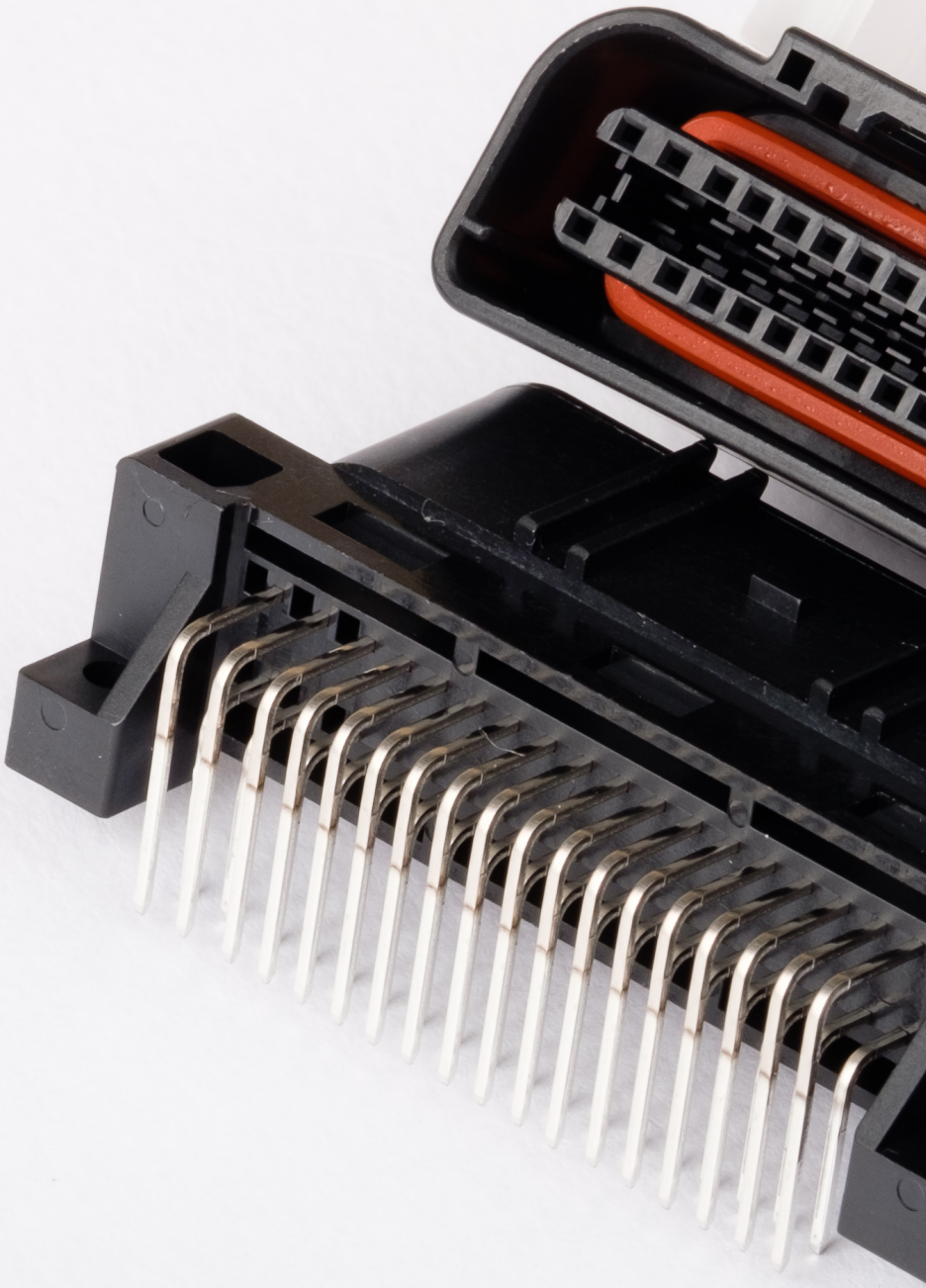


XAF connector is an IDC socket which is compatible with the existing XA crimp housing (plug housing).
The dipping type, SMT type, and high box type headers or the receptacle housings used for WTW connection can be prepared as the mated counterpart of XAF connector, and the wide range of connection style can be provided depending on the application.

VR
1 mm pitch
Type: IDC & disconnectable
Current rating: 7A (AWG#18)
Voltage rating: 250V



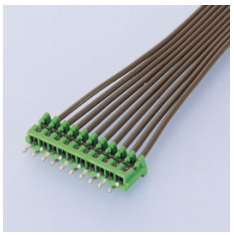
This receptacle can be used for both daisy chain connections and end connections.
The connector suitable for the large electric current has been realized by using highly-conducting material, so that the connection of large current circuit enables.
> Top entry
> Wire side-feed type



CHAPTER 4
WTB BOARD IN INSULATION DISPLACEMENT CONNECTORS

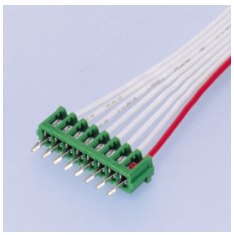
WTB BOARD IN IDC

ZA
1.5 mm pitch
Type: Board in & IDC
Current rating: 0.7A (AWG#28)
Voltage rating: 50V



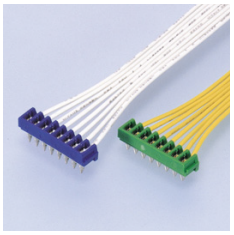
The insulation barrel located between the twin slots firmly grips the wire and protects it from movements due to the heat of soldering or due to handling right after soldering.
> Twin-slot ID section
> Insulation barrel construction

DA
2 mm pitch
Type: Board in & IDC
Current rating: 1A (AWG#26)
Voltage rating: 100V



The DA connector is interchangeable with the SAN crimp style board-in connector in terms of insertion hole size and pitch.
The board insertion section of the contact is resilient to ensure easy and secure insertion onto PC boards.
> Twin U-slot ID section

DD / DS
2 mm pitch
Type: Board in & IDC
Current rating: 0.7A
Voltage rating: 100V



> Strain relief
> Twin U-slot ID section
> Compact and low profile
> Compliant locking solder tails
> Top entry & wire side-feed entry

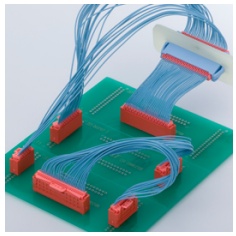
DB
2.5 mm pitch
Type:
Current rating:
Voltage rating:

The DB connector has the same board layout and hose size as crimp style SCN connector.
> Locking solder tail
> Twin U-slot ID section

CHAPTER 5
WTW CONNECTORS

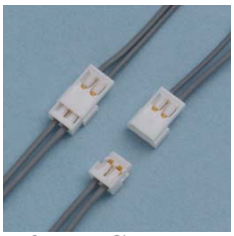
JST WTW CONNECTORS

TCS
1 mm pitch
Type: With secure locking device
Current rating: 2A (AWG#26)
Voltage rating: 50V



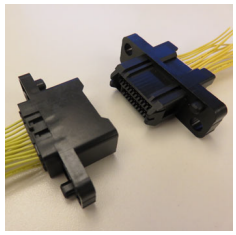
> Secure locking structure
> Countermeasure for unexpected prying insertion

ACH
1.2 mm pitch
Type: With locking device
Current rating: 2A
Voltage rating: 50V



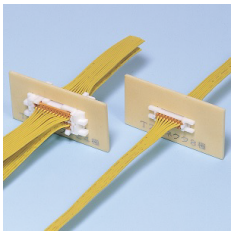
This is the wire-to-wire connector for DC power supply.
> Crimp style

RWM
1.5 mm pitch
Type: Crimp & disconnectable
Current rating: Signal circuit 1/A (AWG#26)
Voltage rating: Signal circuit / 50V



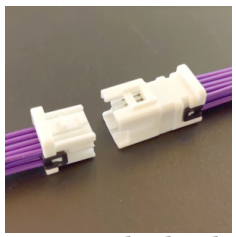
This connector is a dual row type drawer connector with combined signal to connect the units and absorbs misalignment between units.
This is drawer connector suitable for the place which is few in insertion and withdrawal cycles.
> Drawer connector / Double row

TZ / TZW
1.5 mm pitch
Type: With panele locking device
Current rating: 2A (AWG#26)
Voltage rating: 100V



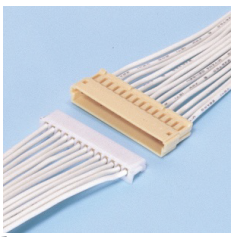
These are the single/dual-row units to connect each socket among the IDC type CZ/CZW or the crimp type CZH/CZHW connectors with 1.5 mm pitch.
These units improve the degree of freedom in designing the wiring inside the equipment.
>Convertible unit into WTW connection
> Matable with CZ receptacle

ZIM
1.5 mm pitch
Type: Crimp style
Current rating: 2A (AWG#24)
Voltage rating: 100V



This is WTW connector with 1.5 mm pitch dual-row construction.
It is hardly affected by external forces and prevents the lock from coming off.
> With inner type secure locking device
> Inertial lock structure

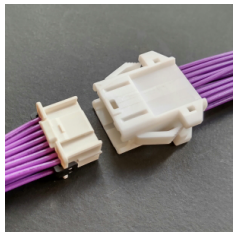
ZM
1.5 mm pitch
Type: Crimp style
Current rating: 0.7A (AWG#28)
Voltage rating: 50V



This is a space-saving 1.5 mm pitch WTW connector that mates with both crimp and IDC type sockets.
The fully shrouded structure is resistant to irregular external forces such as prying during insertion and withdrawal.

JST WTW CONNECTORS

ZND
1.5 mm pitch
Type: Crimp style & double-row
Current rating: 2A (AWG#24)
Voltage rating: 100V



This is the 1.5 mm pitch dual-row type WTW connector with secure locking device that is correspondent to the high-density equipment design. A good mating feel makes the occurrence of incomplete mating suppressed.
> With secure locking device
> Compact

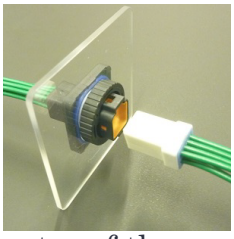
ZWP
1.5 mm pitch
Type: Crimp style
Current rating: 2A (AWG#24)
Voltage rating: 50V

This is the waterproof type 1.5 mm pitch WTW connector incorporating the inner lock structure.
> With inner type secure locking device
> Waterproof connector

JWPF
2 mm pitch
Type: Crimp style & Waterproof
Current rating: 3A (AWG#22)
Voltage rating: 100V

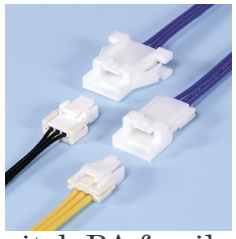
Compact waterproof connector, using 025 contacts and a single piece solid wire seal.
Superior contact performance is provided by the double-leaf construction, consisting of a main and assist leaf spring.
> Housing lances
> Inter-housing lock

JWPF PANEL LOCK TYPE
2 mm pitch
Type: Crimp style & Waterproof
Current rating: 3A (AWG#22)
Voltage rating: 100V



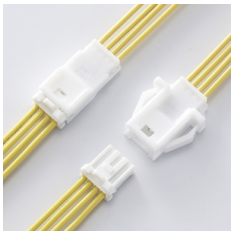
This is a 2.0 mm pitch WTW connector of the panel lock type with grade 7 of ingress protection of JIS C 0920 (IPX7 of IEC 60529), suitable for use for the place of which waterproof is required.
> With panel locking device

PAL
2 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 100V



This is a plug type crimp style connector for WTW in the 2.0 mm pitch PA family connectors with secure locking device.
It is applicable for mating with both crimp and insulation displacement style PAF connector socket.
2 types connector such as a panel lock with retainer mountable type and a free hanging type can be prepared.
> With secure locking device

PNI
2 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 100V



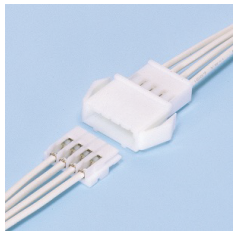
This connector is a 2.0 mm pitch WTW connector, having incomplete mating prevention mechanism.
> With secure locking device
> Inertial lock structure

JST WTW CONNECTORS

TR/TRW
2 mm pitch
Type: Crimp style
Current rating: 1A (AWG#26)
Voltage rating: 100V

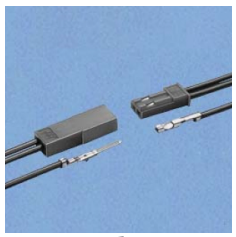
> With panel lock devices
<applicable to 0.8mm to 2.0mm thick panels>
Crimp style PHN and insulation displacement KR/CR connector receptacles can be accommodated by the TR connector.

HM
2.5 mm pitch
Type: Maitable with crimp style
Current rating: Insulation displacement HR/2A,
Crimp style HR/3A
Voltage rating: 250V



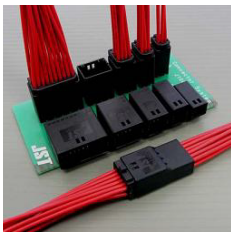
Introducing a 2.5mm pitch plug styled wire-to-wire HM connector that supports both HR crimp and HR insulation displacement receptacles which is cost-efficient and highly reliable.
> IDC style HR receptacle

RCY
2.5 mm pitch
Type: Crimp style
Current rating: MAX 3A
Voltage rating: MAX 250V



Space-saving and low-profile 2.5 mm pitch WTW connector.
The free spring in the socket contact ensures excellent insertion / withdrawal operation and stable contact performance.

JFA J1000 SERIES
2.2 mm pitch
Type: Crimp style
Current rating: 6.4A (3 circuits/AWG#18)
Voltage rating: 125V:J1100series
250V:J1800series

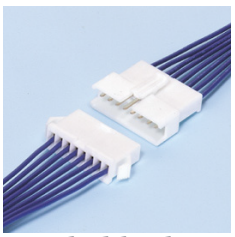


Connectors for signal circuit or power supply circuit, applicable to the factory automation, heavy electric machinery, and other industrial equipment in general.
In spite of various kinds of housings available, their contacts are designed to be common.
The applicable tooling can be standardized.

JFA J2000 SERIES
2.5 mm pitch
Type: Crimp style
Current rating: MAX 4.6A
(3 circuits/AWG#20)
Voltage rating: 250V

Connectors for miniaturization of electronic equipment.
Center locking and side locking options can be used depending on the required application.
Receptacle and tab contacts are designed to be common with all JFA connector J2000 series.

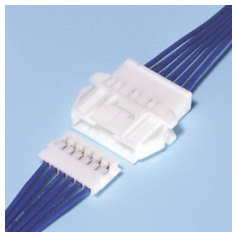
SM
2.5 mm pitch
Type: Crimp style
Current rating: MAX 3A
Voltage rating: MAX 250V



The contacts are individually surrounded by housing walls.
> High contact pressure
> Secure lock mechanism
> Mountable on panels of various thickness without using tools
> With locking device

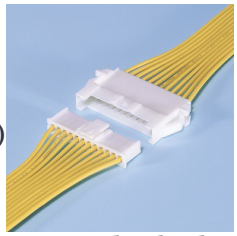
JST WTW CONNECTORS

THR



2.5 mm pitch
Type:Matable with HR receptacle
Current rating: Insulation displacement HR/MAX 2A
Crimp style HR/MAX 3A
Voltage rating: MAX 250V
Matable with HR sockets
Both crimp style and insulation displacement HR connector sockets can be accommodated by the THR connector.
> Mountable on panels of various thickness without using tools
> Secure lock mechanism.

XA



2.5 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22,#20)
Voltage rating: 250V

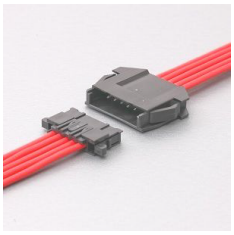
This is a 2.5 mm pitch WTW connector which the socket is common with XA connector for WTB connection.
In addition to two types of free hanging and panel mount, this product also provides a lineup of retainer compatible products.
> With secure locking device

XAD

2.5 mm pitch
Type: Crimp style & double row
Current rating: 3A (AWG#20)
Voltage rating: 250V

This is dual-row panel mountable WTW connector for the XAD connector for printed circuit board (wire side).
> With secure locking device

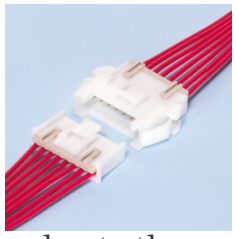
XAG



2.5 mm pitch
Type: With secure locking device
Current rating: 3A (AWG#20)
Voltage rating: 250V

This is a 2.5mm pitch, crimp style, WTW connector.

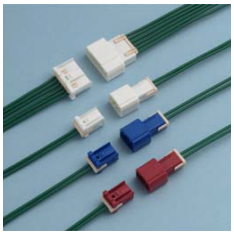
XM



2.5 mm pitch
Type: Crimp style
Current rating: 3A
Voltage rating: 250V

The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
Secondary retainers provide added protection against non-insertion or disconnection.
Mountable on panels of various thickness without using tools.
> Housing lances
> With inner type secure locking device

XMA

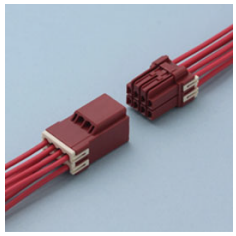


2.5 mm pitch
Type: Crimp style
Current rating: 3A (AWG#22)
Voltage rating: 250V

This connector is a 2.5mm pitch WTW connector, having incomplete mating prevention mechanism. 2-circuit and 3-circuit connectors have control key to prevent connector from mating with incorrect circuits, thus, several same circuit connectors can be used.
> With locking device

JST WTW CONNECTORS

HIL
3.3 mm pitch
Type: Crimp style
Current rating: 5A (2 circuits / AWG#18)
Voltage rating: 300V



This HIL connector is 3.3mm pitch WTW connector that has a mechanism to prevent an incomplete mating when mating connector.
> With inertia force mechanism with secure locking device

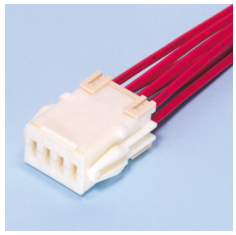
BHS
3.5 mm pitch
Type: For LCD back light lamps
Current rating: 1A
Voltage rating: 1400V

WTW version connectors, designed for connecting liquid crystal display back light lamp to their starters.

JFA J300 SERIES
3.81 mm pitch
Type: Crimp style
Current rating: 15A (single circuit / AWG#14)
Voltage rating: 250V

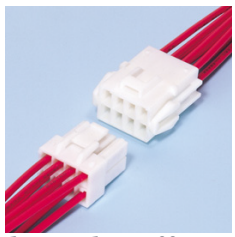
Available in both WTB and WTW connection, the JFA connector is applicable to a wide range of applications e.g. from signal to output circuits.

BL
3.96 mm pitch
Type: Crimp style
Current rating: MAX 7A/line
Voltage rating: MAX 300V



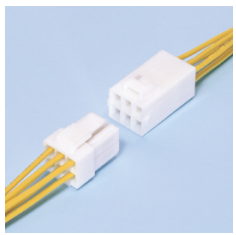
The contacts for short-circuit connection are to be mounted in the housing.
Secondary retainers enhance safety in case of partial insertion or accidental release of the contact.
The panel lock is designed to prevent tangling with wires and accidental breakage because of handling.
> Housing lances / For short-circuit connection

HL
3.96 mm pitch
Type: Crimp style
Current rating: MAX 7A
Voltage rating: MAX 300V



The low insertion force contacts reduce surface finish wear and reduce the effects of stress relaxation.
The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
The panel lock is designed to prevent tangling with wires and accidental breakage because of handling.
> Housing lances

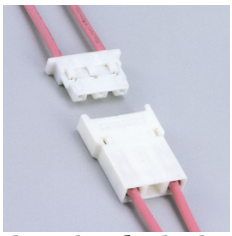
SL
3.96 mm pitch
Type: Crimp style
Current rating: MAX 7A
Voltage rating: MAX 300V



The low insertion force contacts reduce surface finish wear and reduce the effects of stress relaxation.
The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
>Housing lances
> With inner type secure locking device

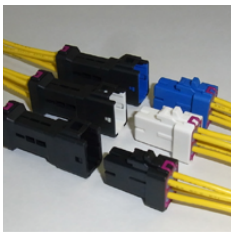
JST WTW CONNECTORS

BHM
4 mm pitch
Type: For LCD back light lamps
Current rating: 1A
Voltage rating: 600V



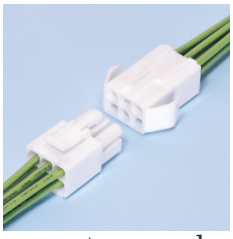
Connector for liquid crystal display back light lamps.
Box shaped construction of the housing prevents distortion during mating/unmating of the housings.
Withstanding voltage is also considered.
> Contact lances

JWPS
4 mm pitch
Type: Crimp style & Waterproof
Current rating: 4A (AWG#22)
5A (AWG#20) 6A (AWG#18)
Voltage rating: 300V



This JWPS connector can be used for the place of which especially waterproof is required.
This is the WTW connector that is grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529).

EL
4.5 mm pitch
Type: Crimp style
Current rating: MAX 10A
Voltage rating: MAX 300V

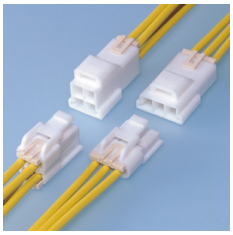


The contacts for the compact EL connector can be easily inserted into the connector housings.
The plug housing and the receptacle housing can be smoothly mated even if they are mechanically distored.
> With locking device

YL
4.5 mm pitch
Type: Crimp style
Current rating: 10A (7A when retainers are mounted)
Voltage rating: 300V

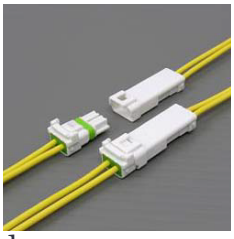
The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
The secondary retainer enhance safety in case of partial insertion or accidental release of the contact.
> Housing lances
> With inner type secure locking device

YLN
4.5 mm pitch
Type: Crimp style
Current rating: 10A (7A when retainers are mounted)
Voltage rating: 300V



The YLN connector adds variation in shape to the existing color variations of the YL connector in order to improve identification of connectors.
This connector has a mechanism to prevent incomplete mating by utilizing the inertia force generated when the plug and receptacle are mated and therefore, ensures complete mating.

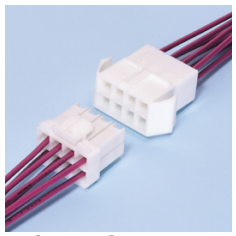
WPJ
5 mm pitch
Type: Crimp style & Waterproof
Current rating: 7A (AWG#18)
Voltage rating: 300V



Compact, Water Resist and Durable.
This connector for electrical connection can be used on both water and non-water resistance conditions, depending on usage.

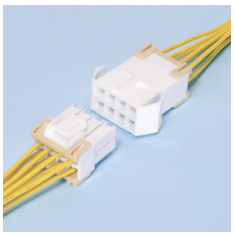
JST WTW CONNECTORS

XL



5 mm pitch
Type: Crimp style
Current rating: MAX 10A
Voltage rating: MAX 300V
The box-shaped contacts serve as socket contacts in a wide variety of applications from low-voltage, low-current signal circuits to power supply circuits.
Since the contacts are individually and totally surrounded by housing walls (egg-crate style), and since the contact pitch is 5.0mm, the electrical creep distances and dielectric spacing are great enough to meet most safety requirements.

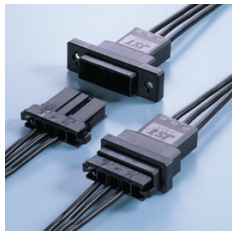
ZL



5 mm pitch
Type: Crimp style
Current rating: MAX 10A
Voltage rating: MAX 300V

The box-shaped contacts serve as socket contacts in a wide variety of applications from low-votage, low-current signal circuits to power supply circuits.
Mountable on panels of various thickness without using tools
> Housing lances
> Secondary retainers

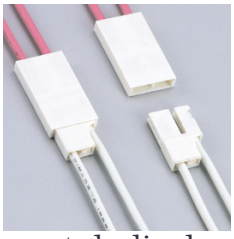
JFA J300 SERIES



5.08 mm pitch
Type: Crimp style
Current rating: 15A (Single circuit/AWG#14)
Voltage rating: 600V

Available in both wire-to-board and wire-to-wire connection, the JFA connector is applicable to a wide range of applications e.g.from signal to output circuits.

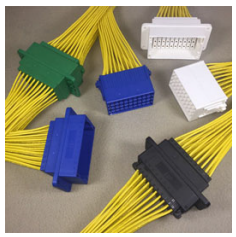
BHT



5.1 mm pitch
Type:For LCD back light lamps
Current rating: 1A
Voltage rating: 1500V

Designed for connecting liquid crystal display back light lamps to their starters.
With the enough creep distance at the high voltage side, voltage rating can be as high as 1,500V.
Applicable either to WTW connection or WTB-connection.
Pin contact is interchangeable with that of WTW type BHS connectors.

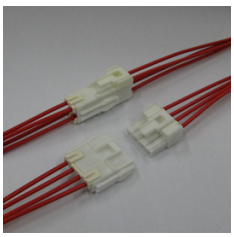
JFA J300 SERIES



5.4 mm pitch
Type: Crimp style
Current rating: 5A(AWG#16, When applying to all circuits.)
Voltage rating: 600V

By taking the advantage of low insertion force of JFA connector, only the simple construction of a housing and contacts provides the collective connection of multi-circuit of power supply line.

VL HIGH CURRENT TYPE

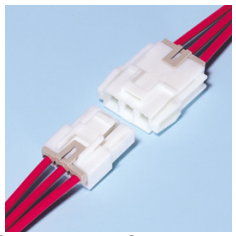


6.2 mm pitch
Type: Crimp style
Current rating: 23A (1, 2circuits / AWG#12)
Voltage rating: 600V

This VL connector is 6.2 mm pitch WTW and WTB connector, designed for large current.
The connector suitable for the large electric current has been realized by using highly-conducting material, so that the connection of large current circuit enables

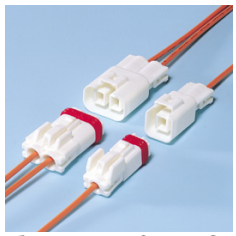
JST WTW CONNECTORS

VL
6.2 mm pitch
Type: Crimp style
Current rating: MAX 20A
Voltage rating: MAX 600V



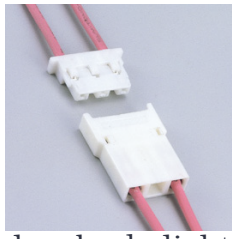
This VL connector is 6.2 mm pitch WTW & WTB connector, designed for large current up to 20 A (1 or 2-circuit with 3.5mm2 wire).
Secondary retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safety.
> With inner type secure locking device

MWP
7 mm pitch
Type: Crimp style & Waterproof
Current rating: MAX 7A
Voltage rating: MAX 300V



The low insertion force contacts reduce surface finish wear and reduce the effects of stress relaxation.
The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
> Housing lances

BHM
8 mm pitch
Type: For LCD back light lamps
Current rating: 1A
Voltage rating: 600V



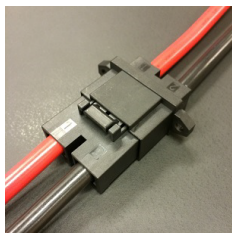
Connector for liquid crystal display back light lamps.
Box shaped construction of the housing prevents distortion during mating/unmating of the housings.
Withstanding voltage is also considered.
> Contact lances

JFA J5000 SERIES
11 mm pitch
Type: Crimp style
Current rating: 50A (single circuit/AWG#8)
Voltage rating: 600V

This connector is corresponding to large current up to 50 A with single circuit (when using AWG #8).
The 4 and 6 circuits of the J5200 series Dual-row type can select either the bulk insertion of the receptacle housing or the module types.

FAH
16 mm pitch

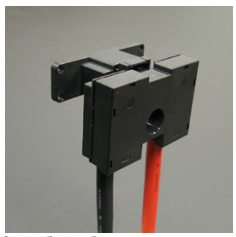
Current rating: 50A (AWG#8)
Voltage rating: 600V



One-touch connection and disconnection connector corresponding to high current.
This is a WTW connector, which current rating is 50 A capability in 2-circuit, and male and female contacts of this connector is designed as the same shape.

FAH SCREW LOCK TYPE
16 mm pitch

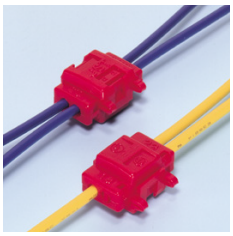
Current rating: 90A (AWG#4)
Voltage rating: 600V



This is wire to wire connector, of which current rating is 90 A capability in 2-circuit, and connects a crimp style terminal and bus bar with screws.

JST WTW CONNECTORS

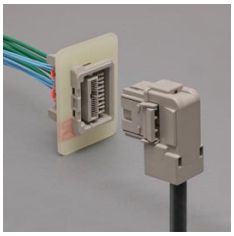
CL



Type: IDC style
Current rating:
MAX 7A (CL-2218T, CL-2218S)
MAX 15A (CL-1814T, CL-1814S)
Voltage rating: 300V

The CL is a low-voltage, insulation displacement connector that can be applied using simple tools.
> Branch/Short-circuit connection

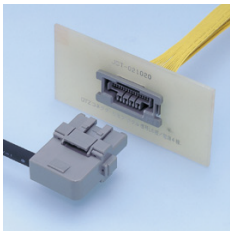
DAC



Type: I/O & Hybrid connector
Current rating:
Signal circuit /1.5A (AWG#27#26)
Power supply circuit / 6A (AWG#18)
Voltage rating:
Signal circuit / 50V
Power supply circuit / 300V

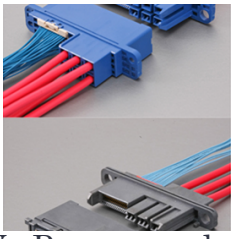
Hybrid type I/O connector with combined signal and power supply circuits.

OTZ



Type: I/O & Hybrid connector
Current rating:
Signal circuit / 1.0A(AWG#26)
Power supply circuit / 5A (AWG#20)
Voltage rating:
Signal circuit / 50V
Power supply circuit / 300V
It's a hybrid type I/O connector with combined signal and power supply circuits. Molded spring structure realized the curtailment of number of component.
> Space saving & Lever lock function

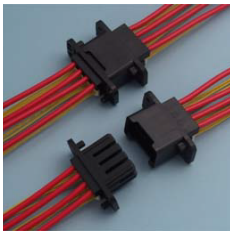
RFC



Type: I/O & Drawer connector
Current rating:
Signal circuit/1.0A (AWG#27,#26)
Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit / 50V - Power supply circuit / 250V

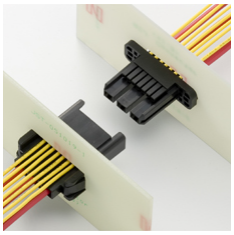
Signal / hybrid type drawer connector for unit connection.
The RFC connector absorbs misalignment between the two units and also excels in durability.

RIC



Type: Drawer & double row
Current rating:
Signal circuit / 1.0A (AWG#26)
Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit /50V
Power supply circuit / 250V
This connector is a hybrid type double-row drawer connector to connect the units, absorbs misalignment between units, and excels durability.
RCZ connector with lever locking device is adopted as applicable socket to prevent coming off the socket and incomplete mating.

RIY

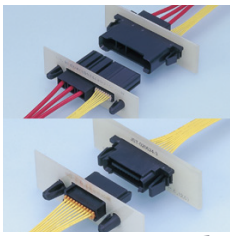


Type: Drawer & double row
Current rating:
Signal circuit / 2A (AWG#24)
Power supply circuit /15A (AWG#14)
Voltage rating: Signal circuit / 50V
Power supply circuit / 250V

This connector is a hybrid type double-row drawer connector with combined signal and power supply circuits to connect the units.
In the signal part, the number of parts reduced by connecting the crimping contact directly.

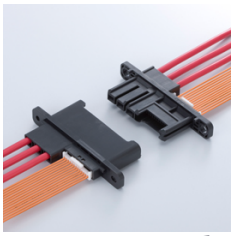
JST WTW CONNECTORS

RIZ



Type: Drawer & Single row
Current rating:
Signal circuit / 1.0A (AWG#26)
Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit / 50V - Power supply circuit / 250V
In unit connection, it's a hybrid type connector with combined signal and power supply circuits, absorbs misalignment between units, and excels durability.
Pitch for signal circuits is 1.5mm & single row realizes slim design 9.0mm and space reducing.

RIZ L-TYPE



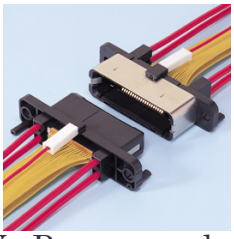
Type: Drawer & Single row
Current rating:
Signal circuit / 1.0A (AWG#26)
Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit / 50V - Power supply circuit / 250V
It's a hybrid type single-row drawer connector combined signal & power supply circuits connector to connect the units, absorbs misalignment between units, and excels durability. RIZ connector with lever locking device is adopted as applicable socket to prevent incomplete mating.

RPJ

Type: For rack & panel
Current rating: 2A (AWG#24)
Voltage rating: 250V

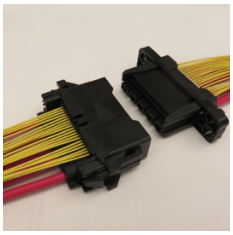
The pin and socket are adopted to use as the small rack panel connector.
Adoption of pin and socket contacts achieves the miniaturization of connector.
The floating function adopted for receptacle housing (26 circuits) and plug housing (20 circuits) absorbs misalignment
> Compact design

RPZ



Type: I/O & drawer connector
Current rating: Signal circuit / 1.0A (AWG#26) - Power supply circuit / 15A (AWG#14) - Tab / 10A (PS connector AWG#16)
Voltage rating: Signal circuit / 50V - Power supply circuit / 250V
Power supply circuit and signal circuit integrated hybrid type drawer connector. With low insertion force mechanism, mating/unmating life of 20,000 cycles are guaranteed. Both plug and receptacle have the ESD shielding shell. For the grounding purpose, #110 tab is equipped with this connector.

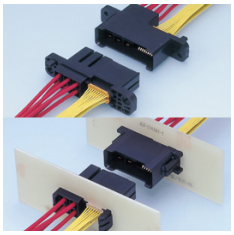
RVE



Type: I/O & drawer connector
Current rating: Signal circuit / 1.0A (AWG#26) - Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit/50V Power supply circuit / 250V

This connector is a hybrid type drawer connector to connect the unit, absorbs misalignment between units, and it is possible to install with panel lock on plug side.
This is drawer connector suitable for the place which is few in insertion and withdrawal cycles.

RWZ



Type: Double row connector
Current rating: Signal circuit / 1.0A (AWG#26) - Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit/50V Power supply circuit / 250V

In unit connection, this RWZ connector is a hybrid type double row drawer connector with combined signal and power supply circuits, absorbs misalignment between units, and excels durability.
Pitch for signal circuits is 1.5mm realizes space reducing of drawer connector.

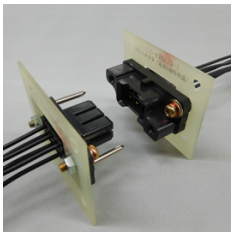
JST WTW CONNECTORS

RWZ L-TYPE

Type: Drawer connector
Current rating: Signal circuit / 1.0A (AWG#26) - Power supply circuit / 15A (AWG#14)
Voltage rating: Signal circuit/50V Power supply circuit / 250V

This connector is a hybrid type double-row drawer connector combined signal and power supply circuits connector to connect the units.
RWZ connector with lever locking device is adopted as applicable socket to prevent incomplete mating.

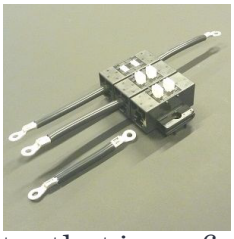
RWZ POWER SUPPLY SYST.



Type: Space saving
Current rating: 15A (6-circuits AWG#14)
Voltage rating: 250V

This is the power supply system drawer connector which realized excellent toughness and durability by performing the secure guide and positioning when mating with assembled metal pin to the receptacle. In addition to the ease of robust design of the connection in equipment, provide safety and security.
> Drawer & double row connector

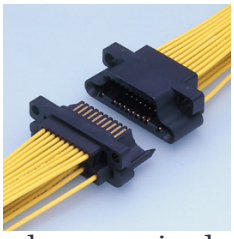
TBX



Type: Crimp & spring type
Current rating: 50A
Voltage rating: 600V

This is a short circuit type power supply system wire-to-wire connector that is configurable up to 4 lines.
For example, for one line on the input side, the output side can be branched into 1 to 3 lines according to a use application.
It is also possible to its reverse.
Use by mounting the crimped ring tongue terminal R8-5.

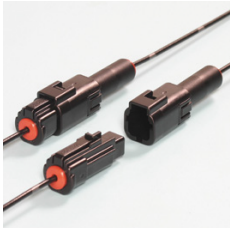
TSD



Type:I/O & drawer connector
Current rating: 2A (AWG#24)
Voltage rating: Signal circuit/30V Power supply circuit / 300V

This hybrid type drawer connector shares a single design contact between signal and power lines.
> The signal contact can be used both for the power and for the signal connections.
> Misalignment correction
> Highly-reliable contact performance

WPK



Type: Crimp style & waterproof
Current rating: 7A (0.85 sq mm)
Voltage rating: 12V

This connector is compact and excels in waterproof and durability.
This connector can be used for the place which especially waterproof is required.
Its waterproof grade is 7 ingress protection of JIS C 0920 (IEC 60529 IPX7).

CHAPTER 6
GLOW WIRE CONNECTORS

JST GLOW WIRE CONNECTORS

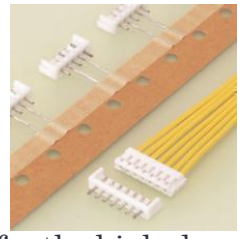
JWPF WTB
2 mm pitch
Type: Waterproof & crimp style
Current rating: 3A (AWG#22)
Voltage rating: 100V

This is a 2.0 mm pitch WTB connector with water ingress protection with an IPX7 rating per IEC 60529 (grade 7 per JIS C 0920), suitable for use for the place of which waterproof is required.
> Disconnectable type

PA WTB
2 mm pitch
Type: With secure locking device
Current rating: 3A (AWG#22)
Voltage rating:
Standard type 250V
Retainer mountable type 100V

This is a crimp type WTB connector that is the core one of 2.0 mm pitch PA family connectors with secure locking device.
> Disconnectable
> Crimp style

EH WTB
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22)
Voltage rating: 250V

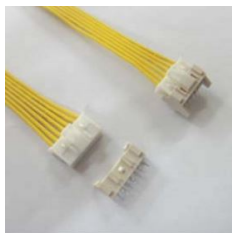


It is designed to meet the demand for the high-density connection of internal wires to PC boards.
> Tin type

XAD WTB
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#20)
Voltage rating: 250V

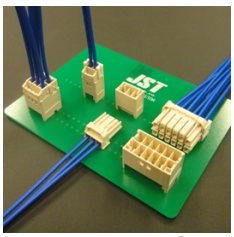
Double-row construction.
Header wafer is made of solder crack preventive material, glass-filled PA66 nylon.
Secure locking device prevents accidental disconnection.
> With secure locking device

XA WTB
2.5 mm pitch
Type: Crimp & disconnectable
Current rating: 3A (AWG#22#20)
Voltage rating: 250V



Compatible with glow wire test.
> Disconnectable
> Wih secure locking device

BNI WTB
3.3 mm pitch
Type: Inertial lock structure
Current rating: 4A (AWG#20)
Voltage rating: 300V



This is a 3.3 mm pitch WTB connector with a mechanism to prevent incomplete mating.
Three different key patterns per number of circuits in the same model are provided to prevent incorrect mating when multiple pieces of connector are used in close proximity

JST GLOW WIRE CONNECTORS

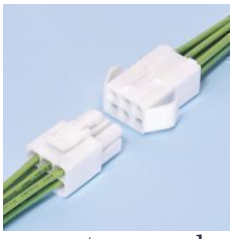
SDN WTB BOARD IN
3.96 mm pitch
Type: Board in / Crimp style
Current rating: 7A (AWG#18)
Voltage rating: 250V

This board-in connector is capable of connecting a wide variety of circuits including signal and power supply circuits.
The connector features a slim, low-profile design.

VH WTB
3.96 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (AWG#16)
Voltage rating: 250V

This small, field-proven connector for PC boards is reliable and has a large current carrying capacity.
It can be used with a wide variety of signal, Power supply, and output circuits that appear in consumer electronic products.
> Compact type
> With locking device

EL WTW
4.5 mm pitch
Type: Crimp style
Current rating: MAX 10A
Voltage rating: MAX 300V



The contacts for the compact EL connector can be easily inserted into the connector housings.
The plug housing and the receptacle housing can be smoothly mated even if they are mechanically distored.
> With locking device

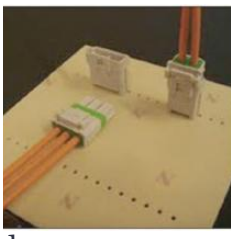
YL WTW
4.5 mm pitch
Type: Crimp style
Current rating: 10A (7A when retainers are mounted)
Voltage rating: 300V

The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.
The secondary retainers enhance safety in case of partial insertion or accidental release of the contact.
> Housing lances
> With inner type secure locking device

YLN WTW
4.5 mm pitch
Type: Crimp style
Current rating: 10A (7A when retainers are mounted)
Voltage rating: 300V

The YLN connector adds variation in shape to the existing color variations of the YL connector in order to improve identification of connectors.
This connector has a mechanism to prevent incomplete mating by utilizing the inertia force generated when the plug and receptacle are mated and therefore, ensures complete mating.

WPJ WTW
5 mm pitch
Type: Crimp style & Waterproof
Current rating: 7A (AWG#18)
Voltage rating: 300V



Compact, Water Resist and Durable.
This connector for electrical connection can be used on both water and non-water resistance conditions, depending on usage.

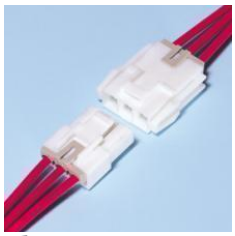
JST GLOW WIRE CONNECTORS

NV

5 mm pitch
Type: Crimp & disconnectable
Current rating: 10A (AWG#16)
Voltage rating: 250V

Suitable for a wide range of applications, from low-voltage, low-current signal circuits to power supply circuits requiring large currents.
> With locking device

VL WTB



6.2 mm pitch
Type: Crimp & disconnectable
Current rating: 20A (AWG#12)
Voltage rating: 600V

This VL is a 6.2 mm pitch WTW and WTB connector, designed for large current.
Secondary retainer, which prevents from insufficient insertion of contact and coming off contact, may use and large current circuit can be connected certainly and safety.
> High current rating
> With inner type secure locking device

PS CHAIN & TERMINALS

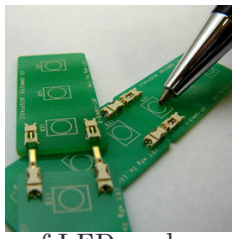
Type: Other
Current rating: 25A (#250(S) AWG#10)
Voltage rating: 250V

> Secure locking mechanism and Low insertion force
> Stable contacting performance
> Misinsertion (reverse insertion) prevention structure for the contact & misinsertion prevention structure for the tab (Short type housing)
> Glow wire compatible products are also available for short type housings performance

CHAPTER 7
BOARD TO BOARD CONNECTORS

JST BTB CONNECTORS

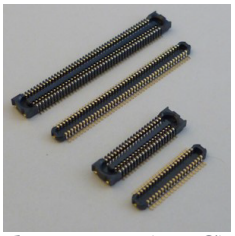
LEL



Type: Absorbing PCB misalignment, PCB horizontal mounting type
Current rating: 1.6A (AWG#28)
Voltage rating: 100V

Considering about luminescence property of LED package, this LEL is designed as low profile type connector for LED lighting, and achieves the space saving. The horizontal connection between PCBs enables and the mechanism of absorbing the PCB misalignment has been installed considering the parallel use for the connector. Bellows type contact that has a high contact pressure and a high durability performance (receptacle side) and enough mating stroke provides the stable contact performance even if the PCB expands and contracts due to heat.

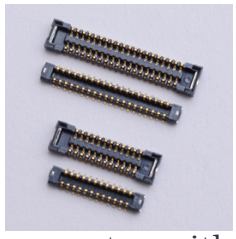
JKGN



0.35 mm pitch
Type: Shrouded header type
Current rating: 0.5A
Voltage rating: 30V

This connector is 0.35 mm pitch BTB (FPC) connection connector with mounting height 1.0 mm, product width 2.88 mm.
> PCB parallel mounting type
> Space saving

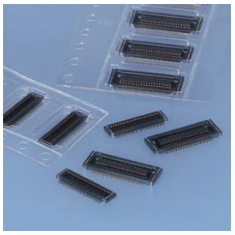
JAK



0.4 mm pitch
Type: With locking device
Current rating: 0.3A
Voltage rating: 30V

This is space saving type BTB connector with 0.4mm pitch, 0.8mm between PCB and 2.0mm product width.
> PCB perpendicular mounting type
> Disconnectable

JAN



0.4 mm pitch
Type: Shrouded header type
Current rating: 0.2A
Voltage rating: 30V

Connector with stacking height 1.0mm and 0.4mm pitch, which is the lowest-profile connector in the [electro mechanical component] industry.
In consideration of operability at user side, although it is 1.0mm low profile, when mating receptacle with plug, the connector structure, where the large amount of guiding connector can be taken, is dopted, and differentiates JAN connector added value.

JAS

0.4 mm pitch
Type: Shrouded header type
Current rating: 0.3A
Voltage rating: 30V

This connector is 0.4 mm pitch SMT type BTB connector with parallel connection.
> PCB parallel mounting type

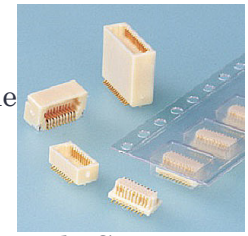
JAV

0.4 mm pitch
Type: Shrouded header type
Current rating: 0.3A
Voltage rating: 30V

0.4mm pitch, SMT, low-profile connection with parallel connection.
> PCB parallel mounting type

JST BTB CONNECTORS

JMC
0.5 mm pitch
Type: Full automatic IDC machine
Current rating: 0.5 A
Voltage rating: 50V

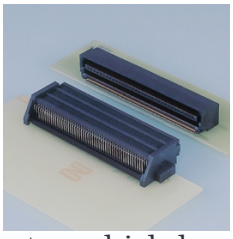


This JMC connector is 0.5 mm pitch SMT type BTB connector which realizes miniaturizing and space saving.
Plug connector has the various connection types such as top/side entry types including the stacking height variation and receptacle connector has the fixed/absorption misalignment types.
> Compact type & Space saving mountable

JMD
0.5 mm pitch
Type: Shrouded header type
Current rating: 0.5A
Voltage rating: 50V

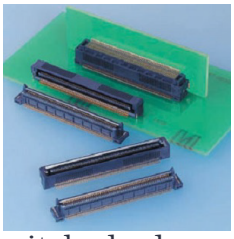
This connector is 0.5mm pitch SMT type BTB connector with horizontal and vertical connection.
> PCB parallel or perpendicular mounting type

JU
0.6 mm pitch
Type: Shrouded header type
Current rating: 0.5A
Voltage rating: 50V



This JU connector is a BTB connector which has many circuits such as Maximum 200 circuits.
Its mating portion is designed with a full shrouded box style which prevents the contamination of splashed flux.
> Fully shrouded box style design
> PCB horizontal, parallel or perpendicular mounting type

JUX
0.6 mm pitch
Type: Shrouded header type
Current rating: 0.5A
Voltage rating: 50V



This connector is small 0.6 mm pitch dual-row BTB connector for high density mounting.
> Compact type
> PCB parallel or perpendicular mounting type

HTB
0.635 mm pitch
Type: Absorbing PCB misalignment
Current rating: 0.5A
Voltage rating: 50V

This HTB connector is 0.635mm pitch SMT type BTB connector with parallel and perpendicular connection.
> PCB perpendicular mounting type
> Absorbing PCB misalignment type
> PCB horizontal mounting type

RHM
1 mm pitch
Type: Shrouded header type
Current rating: 0.5A
Voltage rating: 50V

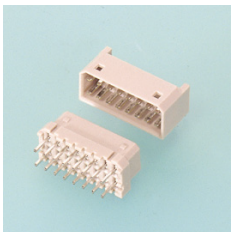
The plug consists of upper and lower parts in order to save space.
This connector enables also flexible application by using either upper or lower parts individually.
> PCB parallel mounting type

JST BTB CONNECTORS

JE
1.25 mm pitch
Type: Shrouded header type
Current rating: 1A
Voltage rating: 50V

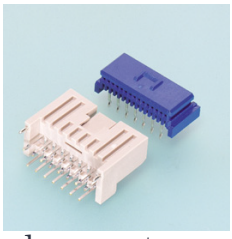
> High presure, dual beam, fork contact
> Box-shaped housing
> PCB perpendicular mounting type

JED
1.25 mm pitch
Type: Shrouded header type
Current rating: 1A
Voltage rating: 50V



> Double-row construction
> High presure, dual beam, fork contact
> Box-shaped housing
> Double row
> PCB parallel or perpendicular mounting type

JET
1.25 mm pitch
Type: With locking device
Current rating: 1A
Voltage rating: 50V



Self-supporting style board-to-board connectors. Both secure lock and friction lock type receptacles are available.
The connector halves can be easily mated, yet have a high retention force because of the housing lock mechanism.
> PCB perpendicular mounting type
> With staggered solder tails

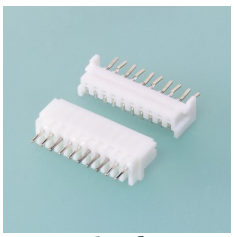
JXV
1.27 mm pitch
Type:Shrouded header type
Current rating: 1A
Voltage rating: 50V

This connector is BTB connector that the flat horizontal connection between boards enables in electronic equipment. For SMT type of high-density 1.27mm pitch, the rating current of industry leading 1.0A has been enabled. This connector is firm, good mating feeling and most suitable for connecting function board to the same horizontal direction.

JDV
1.5 mm pitch
Type: With locking device
Current rating: 1A
Voltage rating: 50V

> Staggered solder tails
> Two types of locking devices (secure lock type & friction lock type) are available.
> PCB perpendicular mounting type
> With staggered solder tails

MQ
2 mm pitch
Type: Shrouded header type
Current rating: 1A
Voltage rating: 250V



Measuring 2.0 mm in pitch, 9.2 mm in mounting height and 5.5 mm in thickness, this BTB connector makes high-density mounting of components in electronic products possible. It is ideal for small electronic products, such as portable VCAs and video cameras, which require high-density mounting and high reliability.
> Compact type & PCB parallel or perpendicular mounting type

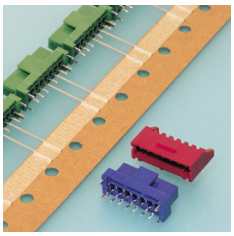
JST BTB CONNECTORS

HVQ

2.5 mm pitch
Type: With locking device
Current rating: 3A
Voltage rating: 250V

Used to interconnect PC boards in parallel, vertically or horizontally.
> Folded beam construction
> Molded-in header
> PCB horizontal
> Parallel or perpendicular mounting type

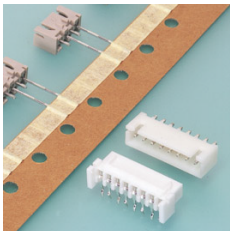
JL



2.5 mm pitch
Type: Shrouded header type
Current rating: 3A
Voltage rating: 250V

Both secure lock and friction lock connectors are available.
> High contact pressure
> Housing lock assures good connection even after severe shock & vibration
> With secure locking device
> PCB perpendicular mounting type

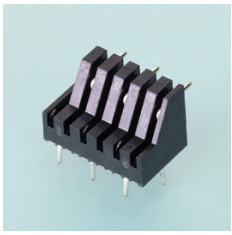
JQ



2.5 mm pitch
Type: Shrouded header type
Current rating: 3A
Voltage rating: 250V

> High contact pressure
> Fully shrouded header
> The header is interchangeable with those of crimp style XH connector and insulation displacement NR/NRD connectors
> PCB horizontal
> Parallel or perpendicular mounting type

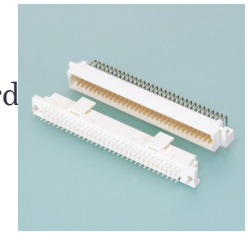
MBS HEADER



2.5 mm pitch
Type: PCB perpendicular mounting type
Current rating: 1A
Voltage rating: 250V

Headers for BTB connection
> Staggered pins
> The MBS header has a locking boss that alloes it to be temporarily mounted on the PCB

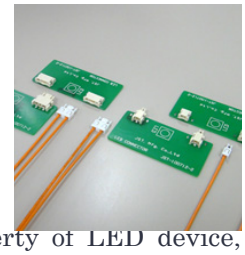
DIN



2.54 mm pitch
Type: Conformed to DIN standard
Current rating: 1A
Voltage rating: 50V

Conforms to DIN standards.
> The receptacle housing has a locking device to securely hold the plug housing
> Hook pins to assure connection of the boards

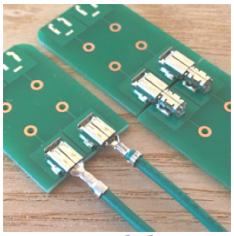
LEB



4 mm pitch
Type: Crimp & disconnectable
Current rating: 3A
Voltage rating: 300V

Considering about luminescence property of LED device, this LEB connector is designed as low profile type connector (height: 2.7mm) for LED lighting, and achieves the space saving. The horizontal connection between PCBs enables and the mechanism of absorbing the PCB misalignment has been installed considering the parallel use for the connector. Fork type contact that has a high contact pressure (receptacle side) and enough mating stroke provide the stable contact performance even if the PCB expands and contracts due to heat.

LEK

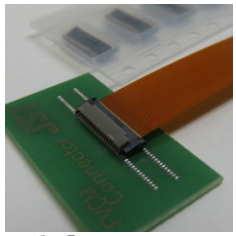


Type: Absorbing PCB misalignment type
Current rating: 3A

This LEK connector is BTB connector that does not use the housing and has a positive lock.
This enables to absorb misalignment when mating connector.
> PCB horizontal mounting type
> BTB connector with secure lock device

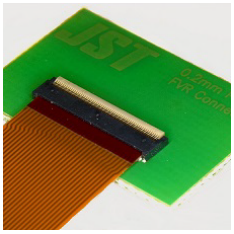
CHAPTER 8
FFC / FPC CONNECTORS

FVCM
0.2 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



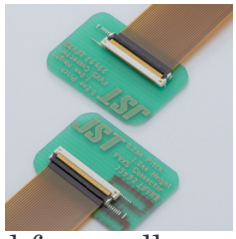
This FVCM connector is the first mid-flip type 0.2 mm pitch connector for FPC in the connector industry.
It is designed for the use of multipolarization, operability and both upper and lower contacts.
Moreover, it inherits from tilt type, and it improves the freedom of design for placing at the PC board dramatically.

FVR
0.2 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



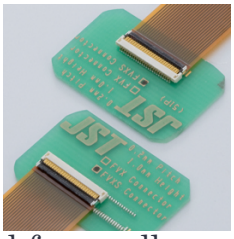
This is low profile and space saving type connector for FPC with 0.2 mm pitch, 0.95 mm height, and 3.0 mm depth.
Back flip type of double-sided contact improves the freedom for routing of FPC.

FVX
0.2 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



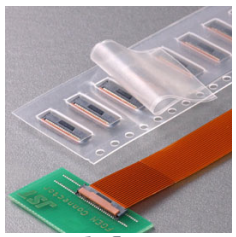
This connector has been developed for small portable equipment for which low profile and miniaturization are required.
By using FPC with protrusions, the positioning accuracy of FPC is improved.
> Low profile type
> With side lock mechanism

FVXS
0.2 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



This connector has been developed for small portable equipment for which low profile and miniaturization are required.
This connector also has the structure that tension due to handling of FPC is absorbed by socket and reinforcing tab.

FGEM
0.25 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



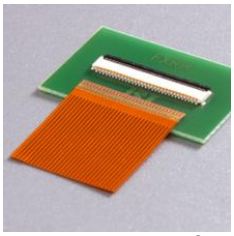
This FGEM connector is the first mid-flip type 0.25mm pitch connector for FPC in the connector industry.
By adding the tilt type, PC insertion workability improved and located parts to near the connector, and high-density mounting was enabled.

FXR
0.3 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V

This FXR connector is ZIF type connector for FPC with only 1.0mm height.

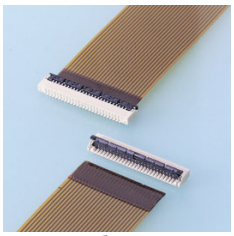
JST FFC / FPC CONNECTORS

FXRH
0.3 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



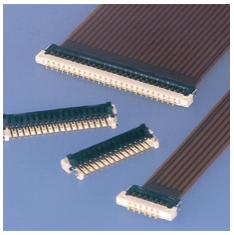
This FXRH connector is ZIF type connector for FPC with only 0.9mm height.

FXS
0.3 mm pitch
Type: ZIF & SMT type
Current rating: 0;2A
Voltage rating: 50V



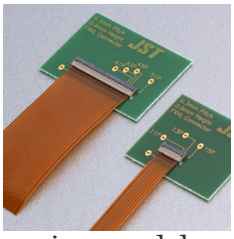
Space saving flip lock type connector, with 1.8mm height and 3.85mm depth.

FXV
0.3 mm pitch
Type: Double zero insertion force
Current rating: 0.2A
Voltage rating: 50V



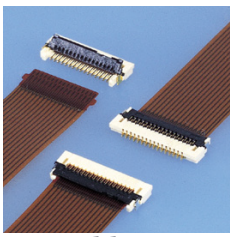
The FXV connector is a market requires space saving and low profile 0.3mm pitch connector, and designed for corresponding to FPC with protrusions.
> SMT and low profile type
> With side lock mechanism

FXVL
0.3 mm pitch
Type: Double zero insertion force
Current rating: 0.2A
Voltage rating: 50V



This FXVL connector is a space saving and low profile connector for FPC demanded from the market, and realizes 0.3mm pitch connector with a mounting height of 0.9mm and depth of 2.68mm. In 0.3mm pitch FPC connector, the smallest product in mounting area on the board has been provided.
> SMT type

FXY
0.3 mm pitch
Type: ZIF & SMT type
Current rating: 0.2A
Voltage rating: 50V



In addition to achieving space saving and low-profile features demanded by the market, this connector also realizes superb operability by adopting a FPC with protrusion.
The use of the FPC provides secure and foolproof mating at the customers' production site.
> Low profile with side lock mechanism

FXZ
0.3 mm pitch
Type: Double zero insertion force
Current rating: 0.2A
Voltage rating: 50V

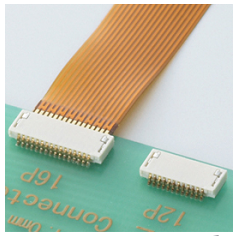
This connector realizes space saving and low profile features demanded by the market, and it provides excellent operability.
Various number of circuits can be available.
> SMT

JST FFC / FPC CONNECTORS

FXZT
0.3 mm pitch
Type: Zero insertion force type
Current rating: 0.2A
Voltage rating: 50V

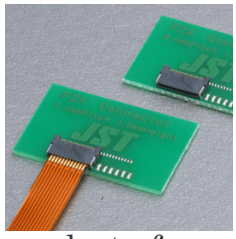
Vertical 0.3mm pitch ZIF type connector.
This connector was mainly developed to connect FPC and subminiature digital products such as DVC, DSC, PDAs and so on.
> SMT type

FZ
0.4 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



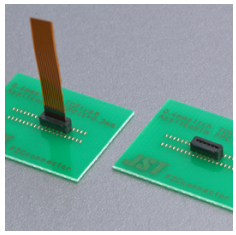
This is very small Non-ZIF type 0.4mm pitch connector.
Double-sided contact structure.

FZA
0.4 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



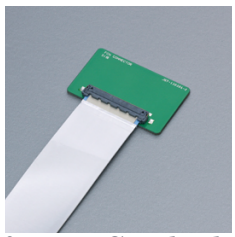
This FZA connector is a renewal product of current FZ connector.
0.4mm pitch Non-ZIF small type connector with a mounting height of 1.0mm and 3.0mm in depth.

FZC
0.4 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



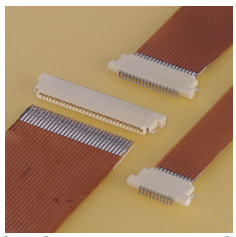
This is low profile 0.4mm pitch Non-ZIF top entry type connector with a mounting height of 2.5mm.

FCH
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.3A
Voltage rating: 50V



This is 0.5mm pitch connector for FPC which has the exclusive GND contact and enables high-speed transmission with connecting to the impedance controlled FPC.
Adopting the auto lock mechanism that makes lock by performing the one action of snap-in-work, the workability improvement is realized.

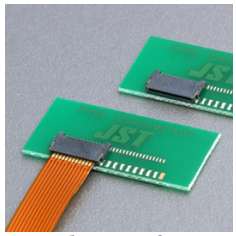
FH
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



The large miniaturization at pitch direstion and depth direction and low-profile as 1.2mm mounting height are realized. FH connector is miniaturized and space saving Non-ZIF type connector for FPC.
> Double-sided contact

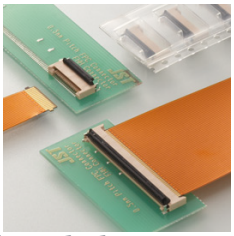
JST FFC / FPC CONNECTORS

FHA
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



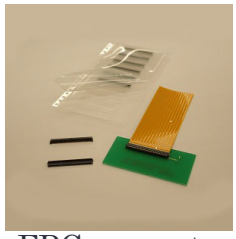
This FHA connector is a renewal product of current FHJ connector.
This is Non-ZIF type connector for the 0.3mm thickness FPC with a mounting height of 1.1mm, small and space saving type.

FHH
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V



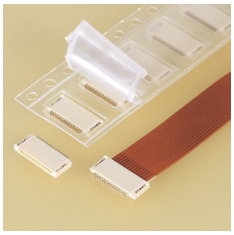
This is connector with the double-sided contact for FPC.
As FPC with protrusions is used for this FHH connector, prevention of incomplete insertion and mis-insertion are realized and connection reliability is improved.
> SMT type

FHHS
0.5 mm pitch
Type: High-speed transmission
Current rating: 0.5A
Voltage rating: 50V



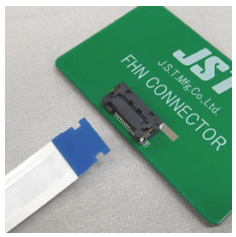
This is 0.5 mm pitch, back flip type FPC connector for 0.3 mm thick FPC.
Realized space saving with thin of 1.0 mm mounting height.
> Back flip mechanism

FHJ
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



Non-ZIF type low-profile of 1.2mm mounting height. 0.3mm thick standard type FPC is applicable.

FHN
0.5 mm pitch
Type: Auto-locking mechanism
Current rating:
0.5A (20-circuits or less)
0.3A (21-circuits or more)
Voltage rating: 50V



Adopting the auto-locking mechanism which locks by one action when having FFC/FPC inserted into connector, insertion workability and reliability are much improved.
> Back flip mechanism

FHS
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

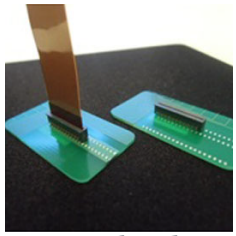
FHS connector is a space-saving type connector for FPC with 3.1mm depth, though it is low profile of 0.9mm mounting height. 0.2mm thick standard FPC.
> SMT type

JST FFC / FPC CONNECTORS

FHSY
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

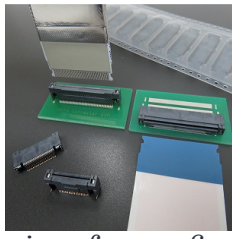
This ZIF type 'flip lock' FPC connector achieves a low-profile feature of a 0.9mm mounting height despite the thickness of the FPC being 0.3mm.
> SMT type

FHT
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V



Adopting Non-ZIF type (engagement can be done by single action.)
> Achieving Low profile and Space saving
> Dealing with Halogen-free
> SMT type

FHTG
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V

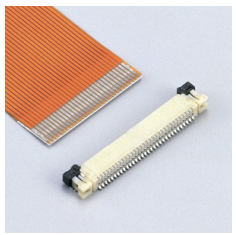


By providing a unique lock mechanism for confirming the mating, it is possible to insert the FFC with one action and pull out the FFC without unlocking, realizing good workability.
> Auto-locking mechanism

FHY
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

This connector for the 0.3mm thickness FPC with a mounting height of 1.3mm. FPC with protrusion prevents incomplete insertion and mis-insertion, so that it provides reliable connection.
> SMT type
> With side lock mechanism
> For long distance between 2 PCBs

FKZ
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V



This is a space saving type connector for FPC. ZIF type is adopted due to improving the wear resistance and the mating life of the connector.

FLH
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

Thin with the mounting height of only 1.2mm, yet applicable to 0.3mm thick FPCs.
> In-line surface mount tails
> The housing is made of heat resistant resin to allow reflow soldering
> The connector is available in either the normal or reverse configurations
> SMT type

JST FFC / FPC CONNECTORS

FLT
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V

> Top entry type
> The housing is made of heat resistant plastic to allow reflow soldering
> Staggered surface mount tails
> Low insertion force with staggered mating points design

FLZ
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

> The housing is made of heat resistant plastic to allow reflow soldering
> In-line surface mount tails
> The connector is available in either the normal or reverse configurations
> SMT type

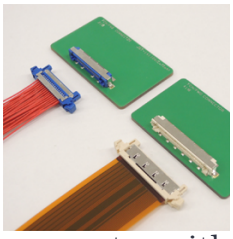
FLZT
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

Top entry type 0.5mm pitch FPC connector. Solder tails are of a staggered design.
> Both normal and reverse types are available so that the designer can choose the FPC direction at his option
> SMT type

FLZX
0.5 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

Applicable to standard 0.3mm thickness FFC or FPC.
> Partical operation, even with big number of circuits, is achieved thanks to 'flip lock' type
> SMT type

FWG
0.5 mm pitch
Type: Space saving
Current rating: 0.3A
Voltage rating: 50V



This is crimp style disconnectable connector with 0.5 mm pitch lock for high-speed transmission which can be chosen discrete wires, FPC or FFC depending on usage.
By assuming the use of multiple pieces of connector in the vicinity, prevention of mis-mating is provided by 4 kinds of key pattern in each circuit and 4 different colors of housing.

FY
0.5 mm pitch
Type: Snap-in & SMT type
Current rating: 0.3A
Voltage rating: 30V

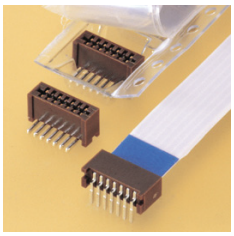
0.5mm pitch non-ZIF snap-in type FFC connector.

JST FFC / FPC CONNECTORS

FAZ
1 mm pitch
Type: Zero insertion force type
Current rating: 1A
Voltage rating: 50V

The FAZ connector is SMT type for PC board connector, which is a Zero Insertion Force (ZIF) type for FFC connection with a lead pitch 1.0 mm.
> SMT type

FM
1 mm pitch
Type: Snap-in, DIP & SMT type
Current rating: 0.5A
Voltage rating: 50V



> Double-sided contact
> Easy mating with the FFC/FPC, by snap-in design
> Both Dip (through-hole) and SMT types are available.
> SMT type connectors have heat-resistant housings so that solder reflow is possible.

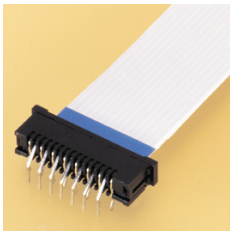
FMN
1 mm pitch
Type: Snap-in, DIP & SMT type
Current rating: 0.5A
Voltage rating: 50V

This connector is 1.0 mm pitch for FFC connection. Realized low cost multi-core by adopting contact structure on one side.
In addition, it is a multi-entry type connector that has both DIP and SMT types.

FMS
1 mm pitch
Type: Snap-in & SMT type
Current rating: 0.5A
Voltage rating: 50V

> Compact
> 2.8mm in mounting height and 6.3mm in depth
> Double-sided contact
> Easy mating with the FFC/FPC, by snap-in design

FMZ
1 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V



> Double-leaf contact
> Temporary retention feature
After the FFC is inserted, but before the locking slide is actuated, a retention feature prevents the FFC leads from moving or coming out.
> DIP type

FPZ
1 mm pitch
Type: Zero insertion force type
Current rating: 0.5A
Voltage rating: 50V

> Connection can be made simply by inserting the leads into the connector and pressing the slider. Once the leads are inserted, they are held by the 4-side guides located inside the slider so that they will not dislocate or come off.
> SMT type

FFC / FPC CONNECTORS

FUN

1 mm pitch

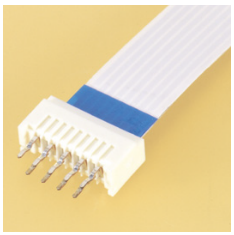
Type: Board-in connector, for FFC

This board-in type connector provides direct soldering connection between the conductors of the 1.0mm pitch FFC and the PC board.

> Small pitch as 1.0mm pitch for FFC board-in type

> Lower assembly costs

FE



1.25 mm pitch

Type: Snap-in & DIN type

Current rating: 1A

Voltage rating: 200V

> Low insertion force and high contact pressure

> The FFC is securely connected by simply inserting their leads into the connector

> The contact's solder dip section has a retention mechanism that allows the connector to be temporarily mounted on the PC board and prevents the connector from floating when soldered

FFS

1.25 mm pitch

Type: Snap-in & DIN type

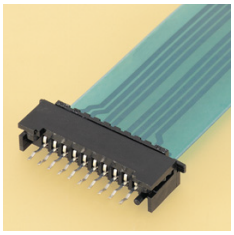
Current rating: 0.5A

Voltage rating: 50V

> Double-sided contact

> The FFC is securely connected by simply inserting their leads into the connector

FDZ



2.54 mm pitch

Type: Zero insertion force type

Current rating:

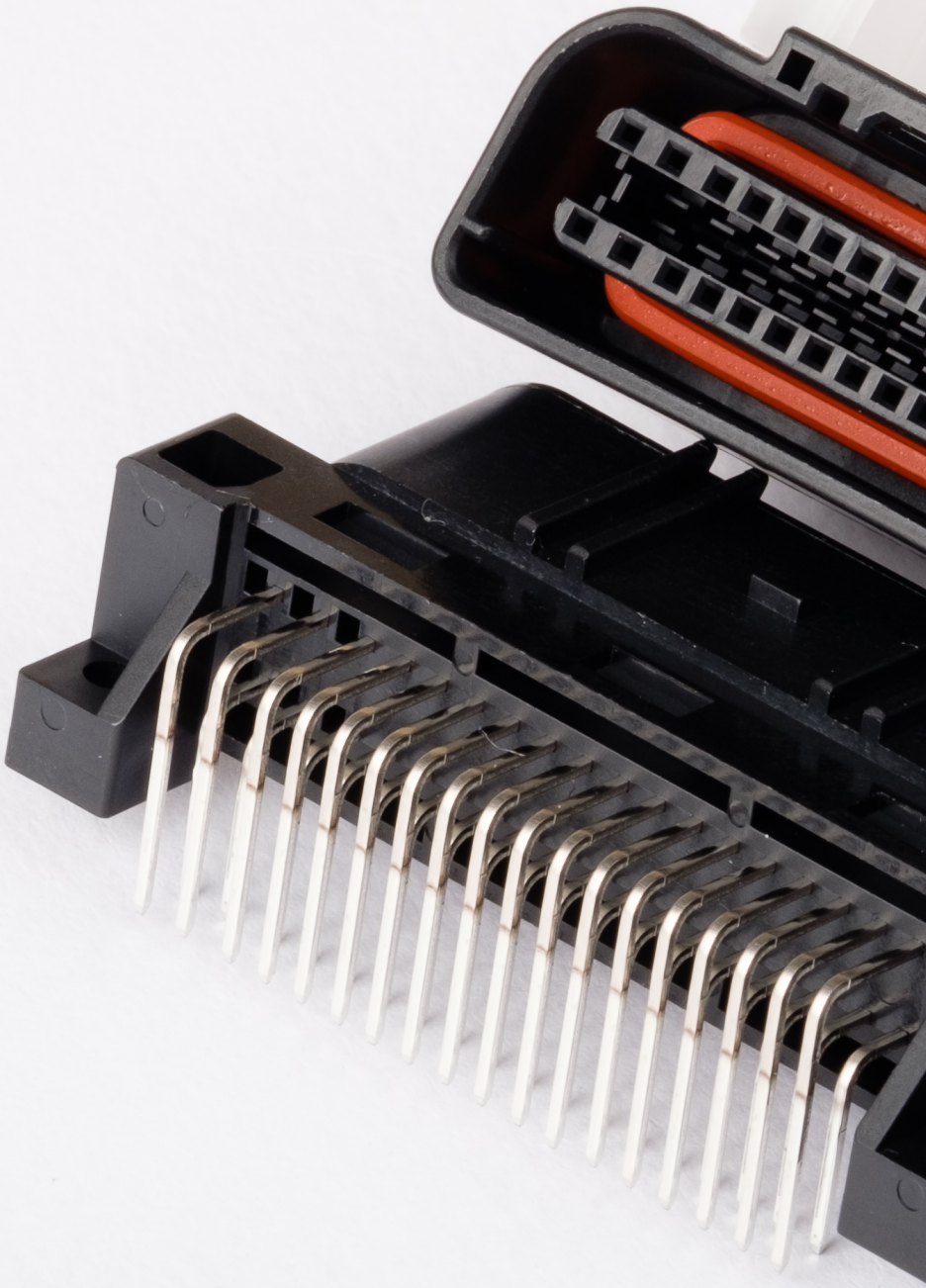
Tin-plated copper foil lead / 1.0A,
Silver paste carbon-printed lead / 50mA

Voltage rating: 250V

> Double-sided contact

> The contact solder tail has a board retention feature that allows the connector to be temporarily held on the PC board while it is being soldered

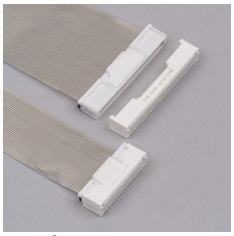
> DIP type



CHAPTER 9
RIBBON CABLE CONNECTORS

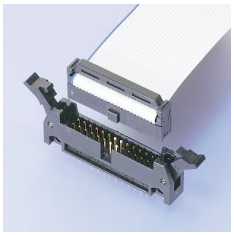
JST RIBBON CABLE CONNECTORS

FCT
1 mm pitch
Type: For FFC & Board-in type
Current rating: 1A
Voltage rating: 50V



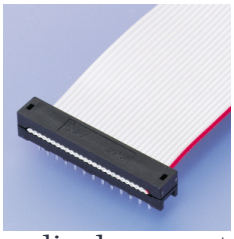
This connector realizes high cost performance, to be designed with the new connector concept that the conductors of flat cable that was fixed up in the plug housing are directly touched to the base contacts.

RA IDC TYPE
2.54 mm pitch
Type: IDC style
Current rating: 1.0A (AWG#28)
Voltage rating: 300V



Connectors for 1.27mm pitch ribbon cable
> Twin U-slot ID section
> Selective gold-plated posts
> The RA series receptacles and header are interchangeable with the similar type connectors commercially available
> Contact JST for details

RC
2.54 mm pitch
Type: IDC & board-in type
Current rating: 1A
Voltage rating: 300V

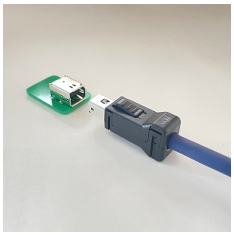


This is a board-in type insulation displacement connector (IDC) for 1.27 mm pitch flat ribbon cables.

CHAPTER 10
INTERFACE CONNECTION CONNECTORS

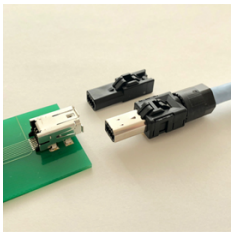
JST INTERFACE CONNECTION CONNECTORS

MUF
0.8 mm pitch
Type: Shielded interface
Current rating: 1A
Voltage rating: 30V



This connector is the shielded interface connector with locking mechanism.

CIF
1.27 mm pitch
Type: Bypass connection
Current rating: 0.5A
Voltage rating: 30V



This connector is an interface connector with shielding where equipped the function to locking.
> Cable connector

DSUB J SERIES
Type: Rectangular connector
Current rating: 3A
Voltage rating: 250V

> The socket contacts are highly elastic, which in turn ensures reliable connection even after many mating cycles
> The dimples in the plug shell ensure continuity between it and the socket shell, thus providing complete shielding

DSUB JH SERIES
Type: Rectangular connector
Current rating: 3A
Voltage rating: 250V

> Thin design
The depth is trimmed to 8.5mm, reducing the surface mounting area by 33% compared with our J series subminiature connectors.
> Space saving mountable

DSUB JK SERIES
Type: Rectangular connector
Current rating: 1A
Voltage rating: 250V

> High density design
The JK series of D subminiature connectors have 15 circuits in a standard 9-circuit shell by virtue of its 3-row, 2.286mm pitch construction, 1.7 times as dense as the J series.
> High-density mountable type

DSUB KH SERIES
Type: Rectangular connector
Current rating: 1A
Voltage rating: 250V

> The depth is trimmed to 13.mm reducing the surface mounting area by 20% compared with our JK series subminiature connectors
> High-density mountable type
> Space saving mountable

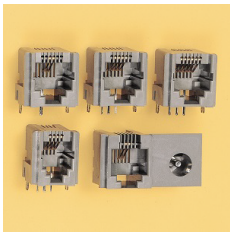
JST INTERFACE CONNECTION CONNECTORS

EP

Type: For 4 circuits plug
Current rating: 2A
Voltage rating: 30V

This EP connector is a connector for the plug of 3.5 mm in diameter with switch function.

MJ



Type: Modular Jack connector
Current rating: 1.3A
Voltage rating: 250V

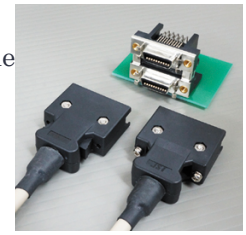
> The MJ connector has an upper contact point design.
With this construction, the contact points are free from dust even before the connector is mated with the modular plug.
> The MJ connector has metal hooks, which provides click feeling when mounted on a PC board, and are soldered later.

MJ 8 CIRCUITS TYPE

Type: Modular Jack connector
Current rating: 1.3A
Voltage rating: 250V

FFC standard conforming (RJ45) modular connector, to be used for the LAN connection of the printer or modem.
> Fully-shielding-covered type is available for high-leveled shielding effect.
> Shielding covered type has secure grounding circuit, as the hook part is soldered to the PC board via shielding cover (spring part).

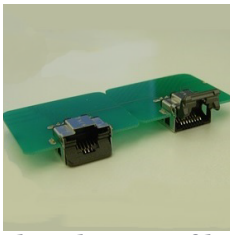
MS



Type: Double stack type receptacle
Current rating: 1A
Voltage rating: 250V

> Structure of unifying shell and metal hooks
> Two kinds of plug locking device (Screw lock/ Latch lock)
> Wire soldering type

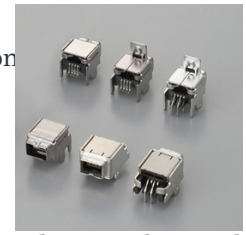
RJ2



Type: Modular jack connector
Current rating: 1.3A
Voltage rating: 250V

This is an interface connector compatible with RJ45 and designed as low profile and space saving type while having a one-piece structure with a cover opening and closing structure.
> For communication transmission

RV



Type: For high-speed transmission
Current rating: 0.3A
Voltage rating: 30V

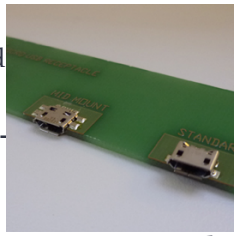
Conforming to the IEEE 1394 standards, the RV connector is a high-speed serial interface connector designed for use in PCs and consumer electronic equipment.

UB

Type: Conformed to USB standard
Current rating: 1A/line
Voltage rating: 30V

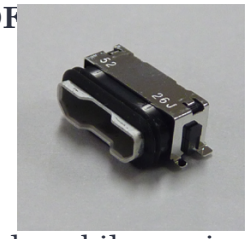
Conforms to USB (Universal Serial Bus)
> Two types (type A & B) are available
> Metal shell of the receptacle and the metal cover of the plug provides highly reliable EMI shielding effect
> Receptacle has solder tabs for secure connection with the PCB

UB MICRO USB



Type: Conformed to USB standard
Current rating: > When using only signal line : Signal line(when using the contacts from No.2 to 4.) /1.0A /Line
> When using power supply line: Power supply line(when using the contacts No.1 and 5.)/1.8A/Line Signal line(when using the contacts from No.2 to 4.)/0.5A/Line
Voltage rating: 30V
This connector is an interface connector for cellular phone and other mobile equipments conforming to Micro USB standard.

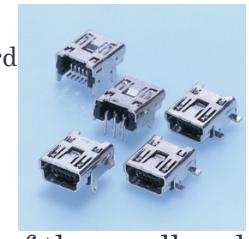
UB MICRO USB WATERPROOF



Type: Sealed
Current rating: See data sheet
Voltage rating: 30V

This connector is an interface connector for cellular phone and mobile equipment conforming to Micro USB (Universal Serial Bus) Standard that is grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529).

UB MINI B



Type: Conformed to USB standard
Current rating: 1A
Voltage rating: 30V

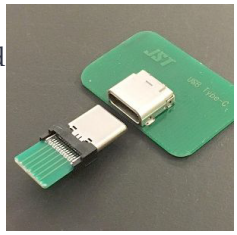
The USB 2.0 certified receptacle is quite suitable for the interface of the small and miniaturized PC-peripheral products as Digital Cameras and MP3 Players.

UB3

Type: Conformed to USB standard
Current rating: VBUS & GND circuits (No.1 & 4 circuits): 1.8A
Other circuits (No. 2, 3, 5 to 9 circuits) : 0.25A
Voltage rating: 30V

This connector is an interface connector conforming to USB (Universal Serial Bus) 3.0 Standard.

UBC



Type: Conformed to USB standard
Current rating: 1.25A/Pin
Vbus(A4,A9,B4,B9) / GND(A1,A12,B1,B12) / CC1(A5); CC2(B5)
0.25A/Pin Other circuits
Voltage rating: 20V

This connector is a USB (Universal Serial Bus) Type-C compliant interface connector and power supply of up to 100 W is available. The receptacle is USB4 standard certified product with a data transmission speed of up to 40 Gbps.
It has a reversible construction, so that insertion and extraction without having to worry about the orientation (both sides) of the plug is possible.

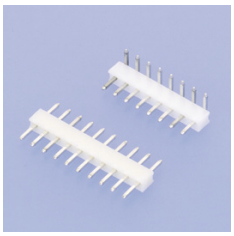
CHAPTER 11
HEADERS JUMPERS & COMPRESSION CONNECTORS

JST HEADERS JUMPERS & COMPRESSION CONNECTORS

MIH

1 mm pitch
Type: Compression connector
Current rating: 0.5A
Voltage rating: 20V
Compression type connector developed for compact equipment such as mobile phone.
> Compact
Projected area is only 2.0 x 2.8mm, with 1.8mm height.
> High contact pressure.
> Despite its smallness, the contact provides contact pressure of 0.7N per circuit thanks to curled spring design, giving stable contact performance even under conditions of vibration.

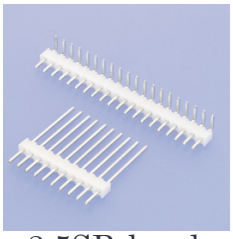
BC HEADER



2 mm pitch
Type: Header

Headers for direct board-to-board connection, having 0.5mm square posts.
> Available in two types, top entry type and side entry type.

2.5SB HEADER



2.5 mm pitch
Type: Header
Current rating: 3A
Voltage rating: 250V

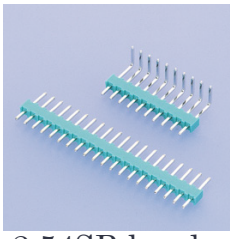
Having 0.64mm square posts, the 2.5SB header can be used to connect any 2.5mm receptacles to PC boards.
They can also be used to directly connect PC boards.
> Available in two types, top entry type and side entry type

TB HEADER

2.5 mm pitch
Type: Header
Current rating: 3A
Voltage rating: 250V

Having 0.64mm square posts, the TB header can be used to connect any 2.5mm receptacles to PC boards.
They can also be used to directly connect PC boards.
> Available in two types, top entry type and side entry type

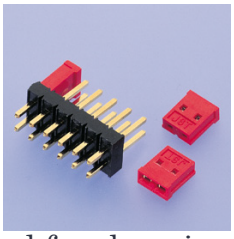
2.54SB HEADER



2.54 mm pitch
Type: Header
Current rating: 3A
Voltage rating: 250V

Having 0.64mm square posts, the 2.54SB header can be used to connect any 2.54mm receptacles to PC boards.
They can also be used to directly connect PC boards.
> Available in two types, top entry type and side entry type

JM

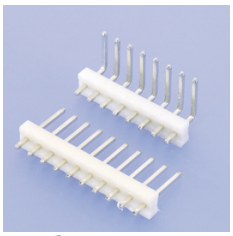


2.54 mm pitch
Type: Jumper connector
Current rating: 3A
Voltage rating: 250V

Two-circuit jumper connector suited for changing or swiching circuits on PC boards without using DIP switches.
> This connector is stackable in both directions

JST HEADERS JUMPERS & COMPRESSION CONNECTORS

VS HEADER
3.96 mm pitch
Type: Header

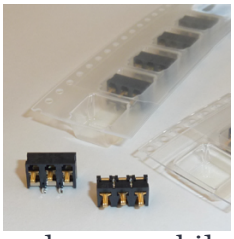


Having 1.14mm square posts, the VS header can mate with a receptacle or as a connector for the direct interconnection of PCB.
> Available in two types, top entry type and side entry type

AN
Type: For mobile phones
Current rating: 0.5A
Voltage rating: 50V

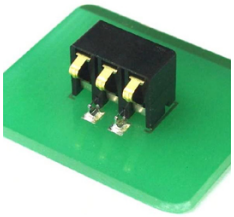
Two types of connector for antenna connection of mobile phones; one is for a diameter of 2.6.

BTT
Type: For a battery
Current rating: 2A
Voltage rating: 20V



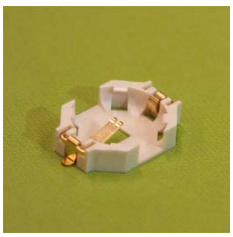
Connector for batteries used in the compact mobile equipment such as mobile phones.
The battery can be set with Off set 0mm.
> Compression connector

BTT CM TYPE
Type: For a battery
Current rating: 2A
Voltage rating: 20V

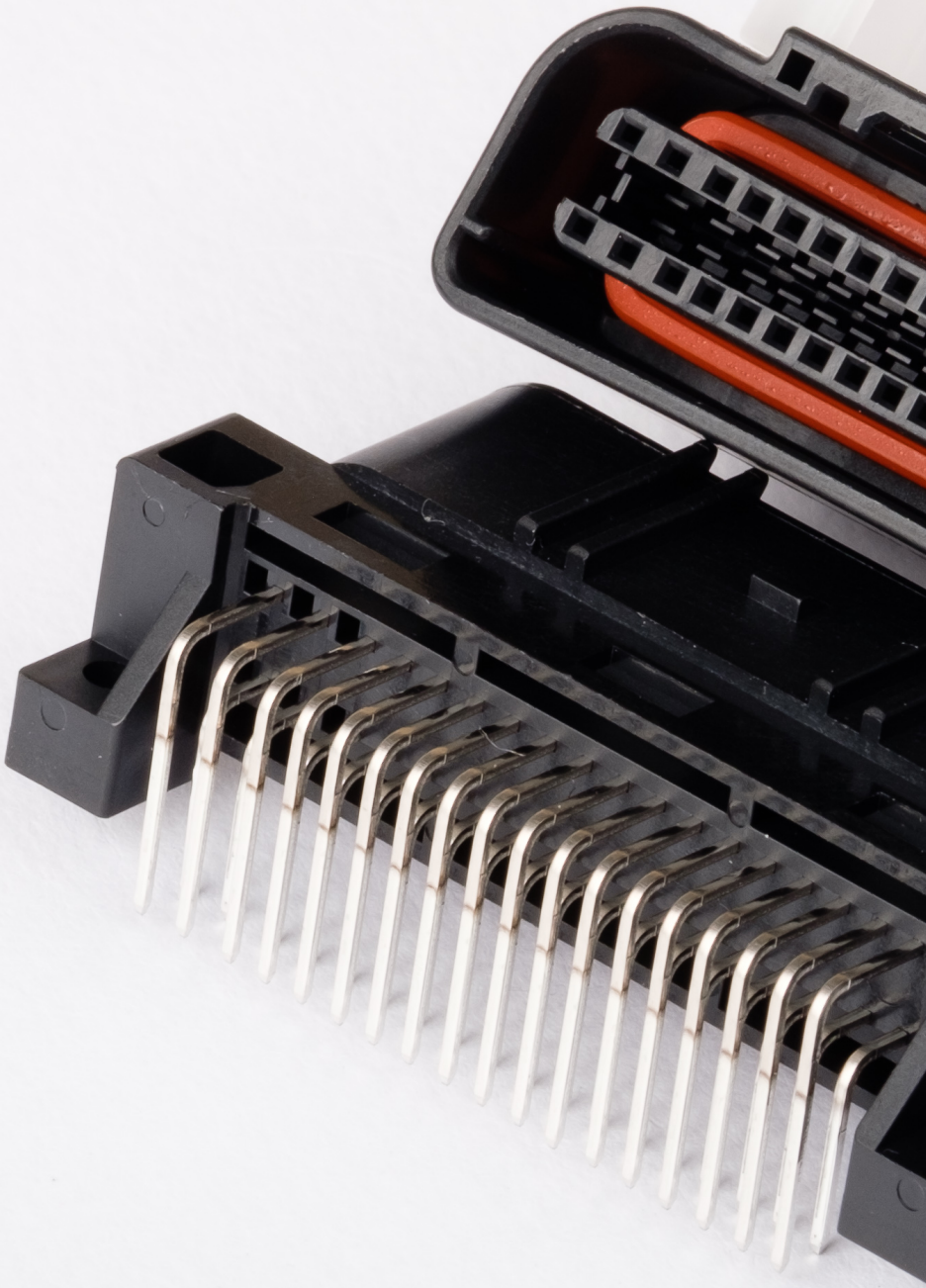


Connector for batteries used in the compact mobile equipment such as mobile router.
The battery can be set with Off set 0mm.
> Compression connector

PB
Type: Socket for a button battery



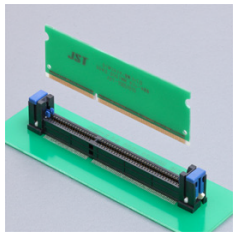
Connector for button batteries used in the compact mobile equipment such as mobile phones.



CHAPTER 12
CARD EDGE CONNECTORS

JST CARD EDGE CONNECTORS

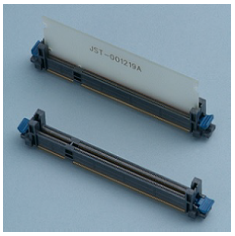
DIM



0.6 mm pitch
Type: For S.O.DIMM
Current rating: 0.3A
Voltage rating: 25V

Socket for DDR/DDR3 S.O.DIMM 204-circuit complying with JEDEC (MO-268).
Hold the PC board by the mechanism for preventing to come off the PCB.
Mechanism for preventing incomplete mating to check by visual from upper, and right and left is provided.

DM-200P



0.6 mm pitch
Type: For S.O.DIMM
Current rating: 0.3A
Voltage rating: 25V

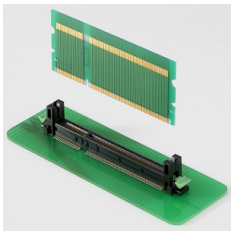
Socket for DDR/DDR2 S.O.DIMM 200-circuits complying with JEDEC MO-224 standard.

DM-144P JEDEC-MO-190

0.8 mm pitch
Type: For S.O.DIMM
Current rating: 0.5A
Voltage rating: 250V

This is sockets for the S.O.DIMM of 144-circuits based on the JEDEC MO-190 standard, and its side type socket is low profile with 5.2 mm height.

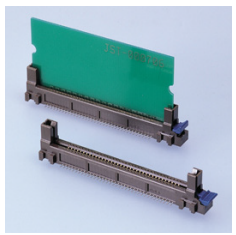
DM-144P JEDEC-MO-274



0.8 mm pitch
Type: For S.O.DIMM
Current rating: 0.5A
Voltage rating: 250V

Socket for DDR2 S.O.DIMM 144-circuits complying with JEDEC MO-274 standard.

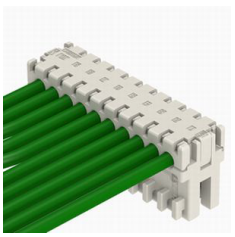
DM-72P



1.27 mm pitch
Type: For DIMM
Current rating: 0.5A
Voltage rating: 250V

Standardized by JEDEC (MO-160). Straight type DIMM socket that is suited for module PC board with operating voltage 3.3V.
> Module is easily ejected with the ejector button.
> With 14mm height, wide variety of mounting is possible.

RSXA



2.5 mm pitch
Type: IDC style
Current rating: 4.0A (AWG#22)
2.0A (AWG#24)
Voltage rating: 250V
>Conform with RAST 2.5 standard
> IDC (Insulation displacement connection) with twin U-slot contact design to provide extra stability.
> Various polarizing features, keying option and locking features available.
> Daisy chain option available.
> 2 to 10 Circuits
> For Circuits 11 to 20, please contact us for availability and lead time.

CHAPTER 13
CARD CONNECTORS

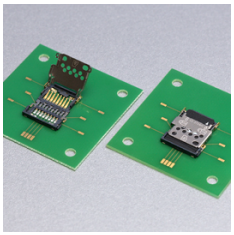
JST CARD CONNECTORS

SMALL PC CARD MB TYPE
(SOCKET & HEADER)

1 mm pitch
Type: Socket & Ejector
Current rating: 0.5A/line

Sockets and headers for small PC cards, having 68 double-row circuits, conforming to PCACIA/JEIDA.
Socket is of straddle-type, designed to accommodate PC board between the two solder tail rows.
>Header is with stand-off 0mm, available in both normal and reverse types

SDHK



1.1 mm pitch
Type: For micro SD card
Current rating: 0.5A
Voltage rating: 15V

This is micro SD card connector of flip cover type that can approach from above the PCB surface.

SDHT

1.1 mm pitch
Type: For micro SD card
Current rating: 0.5A
Voltage rating: 15V

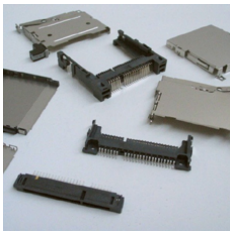
This is a space saving and Push-Pull type connector for Micro SD card.

CF CARD MA TYPE
(SOCKET & HEADER)

1.27 mm pitch
Type: For CF cards, Soket & Ejector
Current rating: 0.5A/line

Socket and header which have 50 double-row circuits, conforming to the standard CFA.
A variety of sockets and headers are available.
2 types of sockets are available, SMT type and double-row straddle type designed to accommodate PC board between the two solder tail rows.

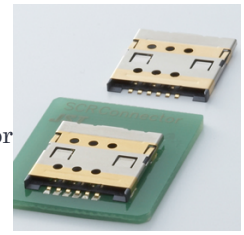
CFF



1.27 mm pitch
Type: Standard for CFast & trade

This is the connector for CFast & trade; Card complying with CFast & trade; Specification.
> Ejector with locking mechanism

SCR



1.52 mm pitch
Type: For SIM/UIM card,
For mobile phones & I/O connector
Current rating: 0.7A
Voltage rating: 30V

This connector is SIM (UIM) card connector and designed to achieve low profile and space saving.
A strong shock such as a fall is endured.

JST CARD CONNECTORS

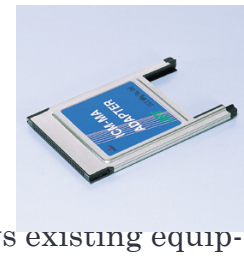
SCK

2.54 mm pitch
Type:
Current rating: A
Voltage rating: V

The connector is designed for the SIM Card, complying with the GSM 11.11 standard, which will be used in the European digital GSM mobile phones. This connector is also suitable for the USIM Card to be used in the Third generation of mobile network (W-CDMA).

CF CARD MA TYPE
(ADAPTER)

Type: Adapter card, Conversion into cards for PCMCIA / JEIDA Ver.4.1 slot



The use of the adapter card allows existing equipment with PCMCIA slots, the facility to use the newly developed Compact Flash Technology.
> A variety of products are available to be applicable to CF cards types I/II
> Protected against static electricity

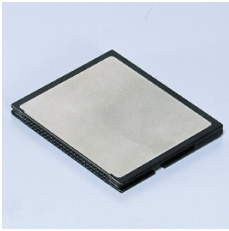
CF CARD MA TYPE
(EJECTOR)

Type: For CF cards, Ejector

Applicable to CF cards types I/II
> The assembly of the ejector mechanism to the mounted header is a simple one-touch operation
> The ejector makes contact with the solder tabs of the header, thus preventing static electricity

CF CARD MA TYPE
(FRAME SET)

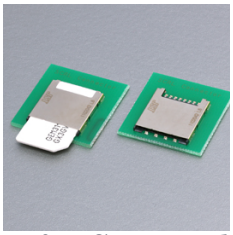
Type: For CF cards, Frame kit



The kit is assembled by ultrasonic welding method which provides strong and heat resistant assembly with less time.

SCRL

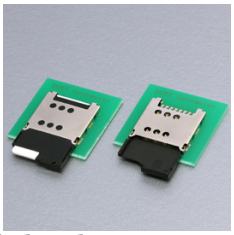
Type: For SIM cards,
Push-pull type
Current rating: 0.7A
Voltage rating: 30V



A manual insertion type connector for SIM card and Mini B-CAS card used in mobile phone.

SCRT

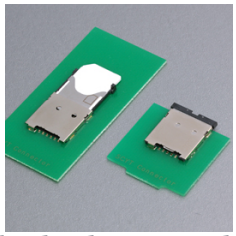
Type: For SIM cards
Current rating: 0.7A
Voltage rating: 30V



> A tray type connector for SIM card Mini B-CAS card used in mobile phone
> Low profile type connector with mounting height of 1.45mm

JST CARD CONNECTORS

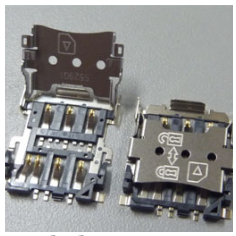
SCYT



Type: For Micro SIM card
Current rating: 0.7A
Voltage rating: 30V

A tray type connector for the Micro SIM (Mini-UICC) card which downsized the conventional SIM card.

SCZW



Type: For 4FF SIM Card
Current rating: 0.7A
Voltage rating: 30V

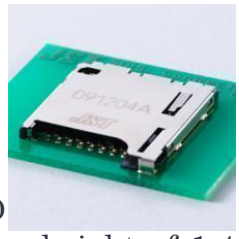
This is a flip cover type connector for the 4FF SIM card which downsized the conventional SIM card.

SD

Type: For SD card
Current rating: 0.5A
Voltage rating: 5V

The SD connector is designed for the SD (secure digital) memory card. Also applicable to the MMC (multi media card).
Card-detection switch equipped type is also available.
> Push-push mechanism
The card can be ejected by simple push-push operation.

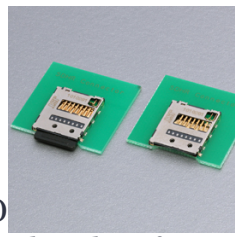
SDHL



Type: For Micro SD card
Current rating: 0.5A
Voltage rating: 100V

This is the connector for micro-SD card connector in which mounting height of 1.4 mm maximum is kept and push-push mechanism is adopted.

SDHR



Type: For Micro SD card
Current rating: 0.5A
Voltage rating: 100V

This is the connector for micro SD card connector in which mounting height of 1.45 mm maximum is kept and push-push mechanism is adopted.

SDK

Type: For SD card
Current rating: 0.5A
Voltage rating: 5V

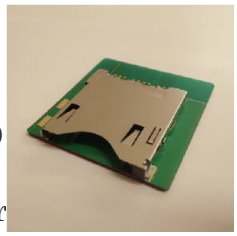
This connector is designed for SD Card & MMC (Multi media card), complying with the SD Card Association standard, and is with the switch for Write-protection & Card-detection.
And due to Push-push mechanism design, its card can be easily ejected by push-push operation.

SMALL PC CARD MB TYPE
(EJECTOR)

Type: Ejector 68 circuits

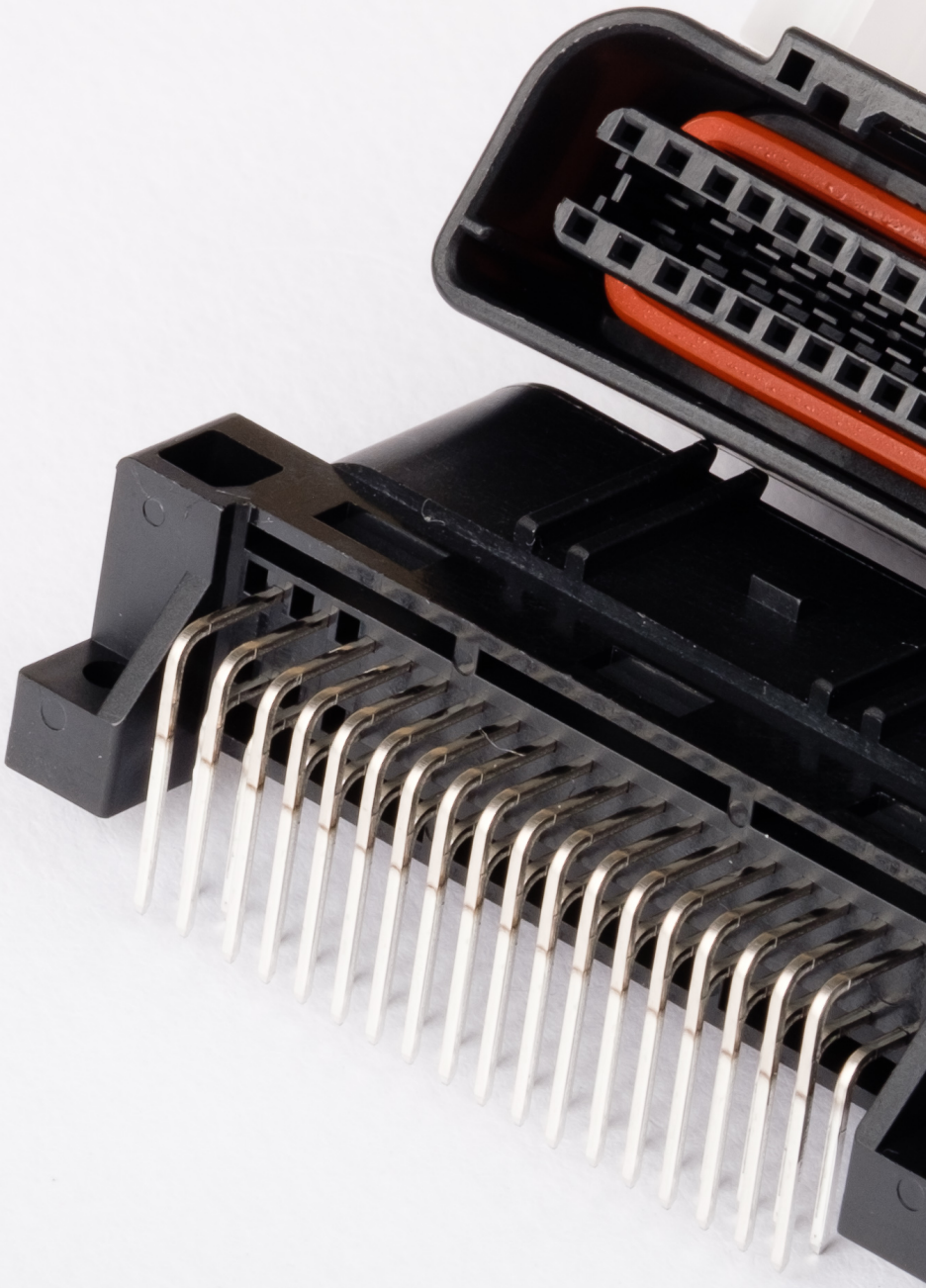
Ejector is, with the left button, to be assembled (with screws) after header is mounted.
The frame has the contact point for the grounding clip on the small PC card.
«Card frame (for types I & II cards)»

XCC



Current rating:
1.2 A for pin No. 10
0. 5 A for other pins than pin N°10

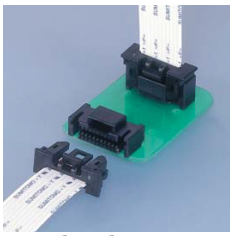
This is a card push type connector designed for CFexpress
> Type B card and XQD card



CHAPTER 14
AUTOMOTIVE CONNECTORS

JST AUTOMOTIVE CONNECTORS

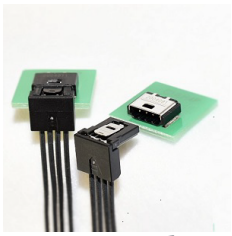
FOX
1.25 mm pitch



Current rating: 1.5A
Voltage rating: 12V

The FOX connector for FFC achieves high operability on the automobile assemble process.
In addition, locking structure is provide on the FFC side to improve reliability of the connector.

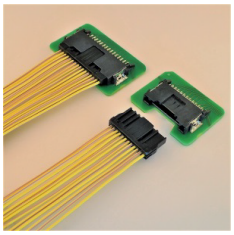
CULH
1.8 mm pitch



Current rating: 5A

Smallest SMT connector in the world which can be used in automotive application (Height: 3.5mm)

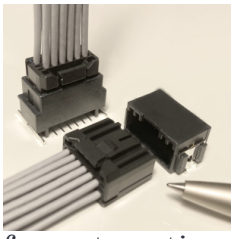
CMEC
2 mm pitch



Current rating: 3A
Voltage rating: Withstanding voltage: 1 000VAC / minute

0.5 terminal unseal WTB connector.
Developed in pursuit of miniaturization and low profile as surface mounting type connector for automotive.

CPM
2 mm pitch
Type: WTB & Waterproof
Current rating: 3A



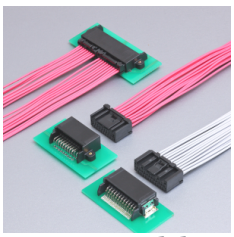
Miniaturized and low profile surface mounting type connector for automotive.
0.50 terminal with 2.0 mm pitch realized its miniaturization.

CPT
2 mm pitch

Current rating: 3A (0.3sq.mm, Single circuit)
Voltage rating: 50V

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

MEC
2 mm pitch



Current rating: 3A (0.3sq.mm)
Voltage rating: 50V

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

JST AUTOMOTIVE CONNECTORS

ULH
2 mm pitch

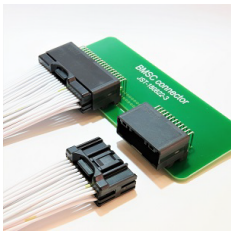
Current rating: 5A

It conforms the automotive standard; USCAR-2 and LV214 in spite of small and low height.
It is suitable for small space and high temperature environment.

WMCB
2 mm pitch
Type: Waterproof WTB
Current rating: 3A
Voltage rating: Withstanding voltage:1 000VAC/minute

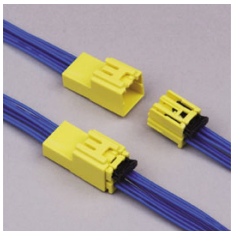
Developed in pursuit of miniaturization and water-proof as surface mounting type connector for automotive.
To realize miniaturization and high reliability with the 0.50 terminal and CPA design.

BMSC
2.2 mm pitch
Type: Crimp style & double row
Current rating: 5A (0.5sq.mm, single circuit)
Voltage rating: Withstanding voltage:1 000VAC/minute



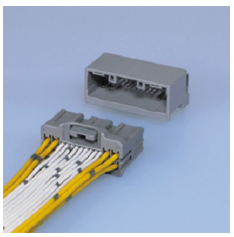
0.64 terminal, 2.2 mm pitch dual-row, WTB connector for automotive applications.
> With secure locking device

HIC
2.2 mm pitch
Type: Disconnectable type
Current rating: 5A (0.5sq.mm, single circuit)
Voltage rating: 14V



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

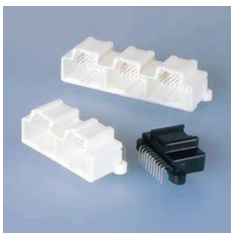
SHC
2.2 mm pitch



Current rating: 7A (0.5sq.mm, single circuit)
Voltage rating: 50V

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.

AIT
2.54 mm pitch

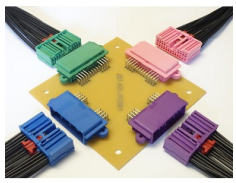


Current rating: MAX 5A
Voltage rating: 14V

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

JST AUTOMOTIVE CONNECTORS

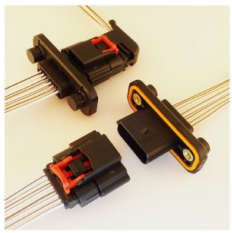
ATLF
2.54 mm pitch



Current rating: 5A
Voltage rating: 14V

21 Circuits 0.64 Unsealed Connector System with CPA and ISL TPA.
Ultra low profile design for high density PCB placement with multiple key codes.

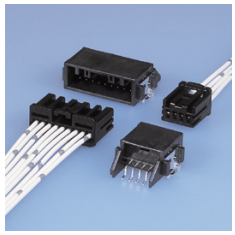
ATSS
2.54 mm pitch



Type: Crimp style & Waterproof
Current rating: MAX 5A
Voltage rating: Withstanding voltage:1 000VAC/minute

Low profile 0.64 mm USCAR Sealed Connectors for automotive applications.
> Thin type

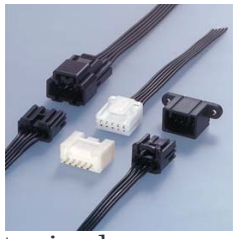
HCH
2.54 mm pitch



Current rating: 5A (0.5sq.mm, single circuit)
Voltage rating: 50V

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

HCM
2.54 mm pitch



Current rating: 5A
Voltage rating: 14V

0.64 unsealed, low profile, miniaturized connectors for automobile applications.
Meets or exceeds the most performance specifications for automotive electrical connector systems.

EVZ2
2.55 mm pitch

Current rating: 5A
Voltage rating: Withstanding voltage:1 000VAC/minute

This connector is WTW, waterproof panel mount connector.
It is possible to connect inside and outside of the case with harness by mounting male connector to the case.

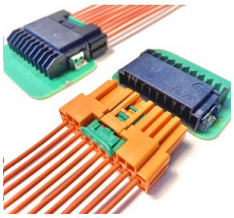
TCUD
2.55 mm pitch

Current rating: Power: 7A
Signal: 5A
Voltage rating: Withstanding voltage:1 000VAC/minute

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.

JST AUTOMOTIVE CONNECTORS

HVM
3.5 mm pitch
Type: WTB & non-Waterproof
Current rating: 5A
Voltage rating: Withstanding voltage: 3 000VAC/minute



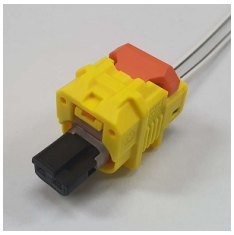
Developed in pursuit of withstanding high voltage,miniaturization and low profile as surface mounting type connector for automotive.
To realize the withstanding voltage and miniaturization by flange structure and pitch 3.5mm design.
> High current & high voltage

TLDR
3.5 mm pitch

Current rating: 5A
Voltage rating: 600V

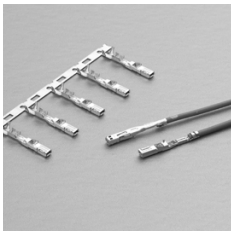
0.64 low profile automotive connectors for High voltage and low current applications.

MSAI
4 mm pitch
Type: Sensor
Current rating: 5A
Voltage rating: Withstanding voltage:1 000VAC/minute



1.2 mm Sealed Connector compliant with the Standard USCAR Footprints.
This connector has the various colors/key codes corresponding to needs.

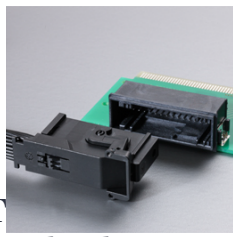
1.5 FEMALE TERMINAL



This is a power terminal for unsealed connector.
This terminal supports a housing of the 3.2mm(H)Ã—3.2mm(W) pitch.
This terminal supports a halogen-free electric wire of small diameter.

ACA

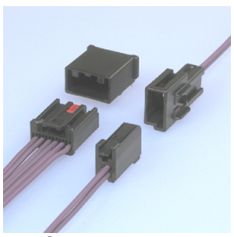
Current rating: 3A
Voltage rating: 14V



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

AIT 2

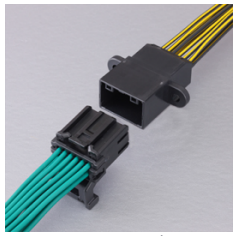
Current rating: MAX 5A
Voltage rating: 14V



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

JST AUTOMOTIVE CONNECTORS

ARV



Current rating: MAX 5A
Voltage rating: 14V

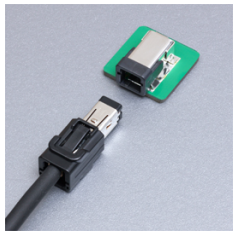
0.64 Unsealed WTW connection system for unsealed applications, requiring Automotive durability.

ASG

Type: Sealed
Current rating:
0.64 Terminal: MAX 7A
6.3 Terminal: MAX 40A
Voltage rating: 14V

47 Circuits 0.64/6.3 Hybrid Sealed Connector complaint with the USCAR footprint and performance standard.
Designed for ABS application.

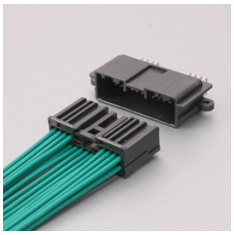
ASU



Current rating: 1A (AWG#28)
Voltage rating: 30V

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.

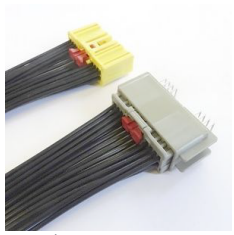
ATL



Type: MAX 5A
Current rating: 14V

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

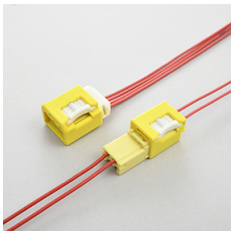
ATLC



Current rating: 7A (0.75sq.mm)
Voltage rating: 14V

21 Circuits 0.64 Unsealed Connector System with CPA and ISL TPA.
Ultra-low profile design for high density PCB placement.

BAB



Type: WTW & non Waterproof
Current rating: 3A (0.3sq.mm)
5A (0.5sq.mm)
Voltage rating: Withstanding voltage:1,000VAC/minute

0.64 mm WTW and Wire-To-Unit connector with rigid design and spring lock mechanism.
Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connectors.

JST AUTOMOTIVE CONNECTORS

BCC

Current rating: MAX 15A
Voltage rating: MAX 14V

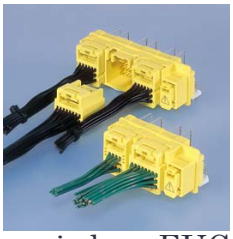
3.2 mm pitch, 14 circuits, 1.5 mm size unsealed connector for automobile applications.

BIC

Current rating: 3A (Single circuit)
Voltage rating: 16V

This is a connector for motor connection developed for the electric door mirror unit for automotive.

CIT



Current rating: 5A (0.5sq.mm, single circuit)
Voltage rating: 50V

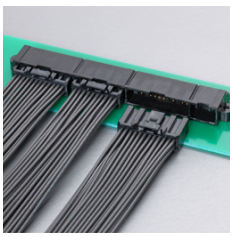
The miniaturization is realized as air-bag EUC I/O connector for automobile.
This product has various circuit development and several adoption results proven, hence it enables to select the type to meet the automobile.

CN FOR AUTOMOTIVE

Current rating: 1A
Voltage rating: 250V

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.

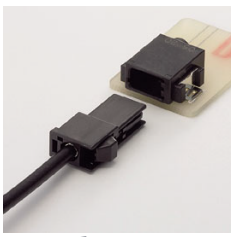
CPI



Current rating: 3A (0.3sq.mm, single circuit)
Voltage rating: 50V

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

EA1



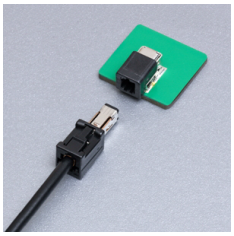
Current rating: 1A
Voltage rating: 250V

Connector was developed as a coaxial connector for high-frequency application to automobile.
This connector achieves low profile and miniaturization.

EA2
SIDE ENTRY TYPE WITH GND SPRING

Type: High speed data transmission & High frequency
Current rating: 1A
Voltage rating: 250V
This is compact high-frequency signal connector with enhanced GND performance, suitable for in-vehicle equipment with antenna communication (GPS, ETC/DSRC, Wi-Fi, Bluetooth). It is also suitable for coaxial video signal transmission in combination with cable-side connectors for noise suppression. It is surface mount technology (SMT) compatible products.

EA2
SIDE ENTRY TYPE



Type: High speed data transmission & High frequency
Current rating: 1A
Voltage rating: 250V

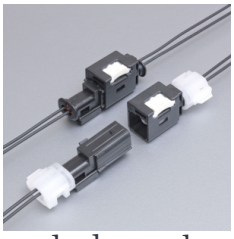
High Frequency Co-axial.
This connector is for small high frequency coaxial signal which is suitable for automotive equipment such as ETC/DSRC, navigation system.
It is surface mount technology (SMT) compatible products.
> Space saving

EA2
TOP ENTRY TYPE

Type: High speed data transmission & High frequency
Current rating: 1A
Voltage rating: 250V

This is compact high-frequency signal connector suitable for in-vehicle equipment with antenna communication (Wi-Fi, Bluetooth).
It is also suitable for coaxial video signal transmission in combination with cable-side connectors for noise suppression. It is through-hole reflow (THR) compatible products.

FAB



Current rating: MAX 5A
Voltage rating: 14V

0.64mm single sealed WTW 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.

GIT

Current rating: 5A
Voltage rating: Withstanding voltage:1 000VAC/minute

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

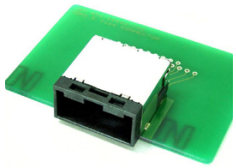
GIT 18P TYPE

Current rating: 5A (0.5sq.mm, single circuit)
Voltage rating: 14V

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.

JST AUTOMOTIVE CONNECTORS

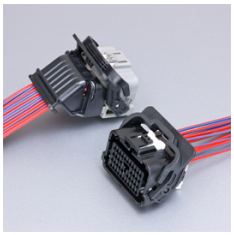
HIE



Current rating: 0.5A
Voltage rating: 40V

This HIE connector complies with HDMI E Type for automobile equipment such as navigation system.

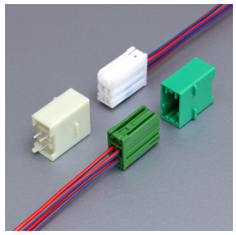
HPS



Type: Sealed
Current rating: MAX 5A
Voltage rating: 14V

40 Circuits 0.64 Sealed Connector

HSDP



Current rating:
0.64 Terminal: MAX 5A
1.5 Terminal: MAX 14A
Voltage rating: 14V

0.64/1.5 Hybrid circuits connector

HVD

Current rating: MAX 4.5A
Voltage rating: 14V

0.64 unsealed alignment-free, low profile surface mount connector for automobile applications.

HVGT

Current rating: 30A
Voltage rating: 300V

2 Circuits 14.5 Sealed, Shielded, Fused Connector System in an Automotive environment.
Designed for high voltage applications, requiring Fusing and Splitting.

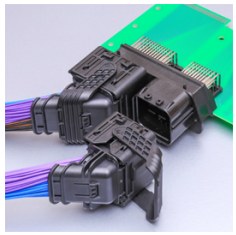
HVGW

Type: Sealed
Current rating: 135A
Voltage rating: 300V

2 Circuits 14.5 Sealed, Shielded Connector System.
Designed for high current, high voltage applications in an Automotive environment

JST AUTOMOTIVE CONNECTORS

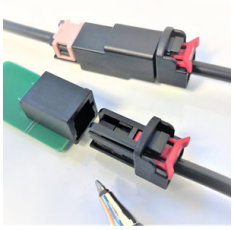
JIA



Type: Sealed
Current rating:
0.63mm terminal: 5A
(0.5sq.mm, Single circuit)
1.5mm terminal: 15A
(1.25sq.mm, Single circuit)
Voltage rating: 14V

0.63mm/1.5mm Sealed hybrid type Connector
> For WTB connection

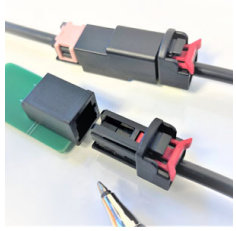
JRE WTB



Type: High speed data transmission & High frequency
Current rating: 3A
Voltage rating: Withstanding voltage:1 000VAC/minute

Fully compatible and designed based on requirements from the Open Alliance TC9 (1000BASE-T1) for telematics and automotive communications technology.

JRE WTW



Type: Non-waterproof
Current rating: 3A
Voltage rating: Withstanding voltage:1 000VAC/minute

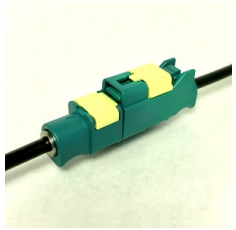
Fully compatible and designed based on requirements from the Open Alliance TC9 (1000BASE-T1) for telematics and automotive communications technology.
> High speed data transmission & High frequency

JRF WTB

Type: High speed transmission
Current rating: 1A
Voltage rating: Withstanding voltage:800VAC/minute

Fully compatible and designed based on requirements from the FAKRA RF and USCAR standards for telematics and automotive communications technology.
> For WTB connection

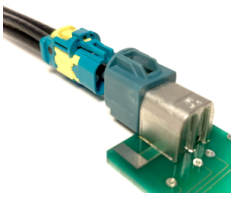
JRF WTW



Type: Crimp style
Current rating: 1A
Voltage rating: Withstanding voltage:800VAC/minute

Fully compatible and designed based on requirements from the FAKRA RF and USCAR standards for telematics and automotive communications technology.
> High speed transmission

JRS WTB



Type: High speed transmission
Current rating: 1A
Voltage rating: Withstanding voltage:800VAC/minute

Automotive coaxial connector series with miniaturized and multi poles while maintaining FAKRA performance.
> For WTB connection

JST AUTOMOTIVE CONNECTORS

JRSS WTB

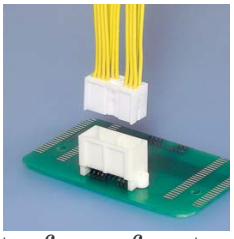
Type: High-speed transmission
Current rating: 1A
Voltage rating: Withstanding voltage:800VAC/minute

This is the water-proof mini FAKRA connector and it has the original interface.
> Crimp style & Waterproof connector

JUNCTION BOX

This product is developed by the custom-made for junction box, fuse box, and relay box for automobile.

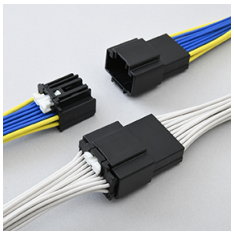
MIO



Current rating: 5A (0.5sq.mm, Single circuit)
Voltage rating: 12V

Low profile type connector for interface of automotive electrical equipment.

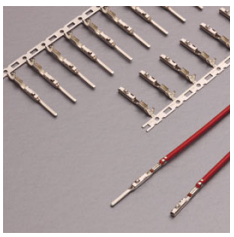
MSA



Current rating:
MAX 14A (0.75sq.mm, Single circuit)
MAX 19A (1.5sq.mm, Single circuit)
Voltage rating: 14V

1.2 mm unsealed WTW connector system for automotive applications.

MSA TERMINAL



1.2 mm terminal compliant with USCAR standards.

MSAZ

Type: Sensor
Current rating: 7A (0.3sq.mm, Single circuit)
Voltage rating: Withstanding voltage:1,000VAC/minute

1.2mm sealed connector compliant with the Standard USCAR Footprints.

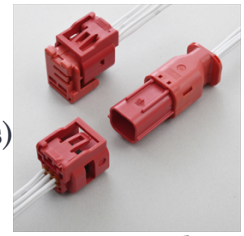
JST AUTOMOTIVE CONNECTORS

MSZ

Type: Sensor
Current rating: 5A (0.3sq.mm to 0.5sq.mm, Single circuit)
Voltage rating: Withstanding voltage:1 000VAC/minute

2.8mm sealed connector compliant with the Standard VDA Interface.

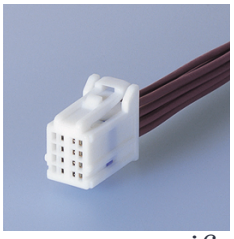
MWT



Type: Sealed
Current rating: 3.5A (full circuits) (single circuit)

Compliant with the ISO 19689, 0.64 mm individual waterproof, 6 pole WTW 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.

NAC-I



Current rating: MAX 5A
Voltage rating: 14V

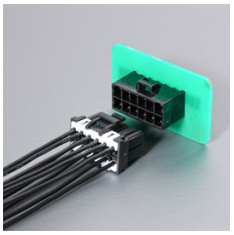
Low profile dual row connector compliant with the USCAR performance specifications.
For general automotive applications.

NFG

Type: Sealed
Current rating:
5A (0.5sq.mm)
7A (0.75sq.mm)
Voltage rating: 50V

2.3(090) terminal sealed connector with high vibration durability.
Reduce abrasion by the vibration, and high reliability is provided.

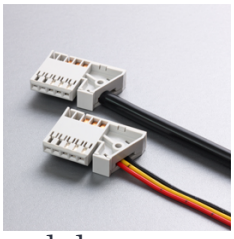
PEA



Current rating: Power supply circuit / 6.5A (0.75sq.mm)
Signal circuit / 1A (0.5sq.mm)
Voltage rating: 50V

This connector withstands High Current and is used for Ballast to Lamp System.

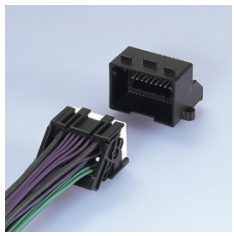
PFW



Current rating: 5A
Voltage rating: 14V

This connector has versatile terminal and is used for top column module.

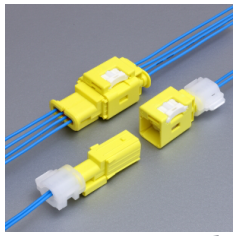
RAD



Current rating:
Signal: MAX 5A (0.64 Terminal)
Power: MAX 15A (1.5 Terminal)
Power: MAX 25A (2.8 Terminal)
Voltage rating: 14V

0.64/1.5 /2.8 hybrid circuits unsealed WTB connector with lever mechanism proven in Automotive Radio application.

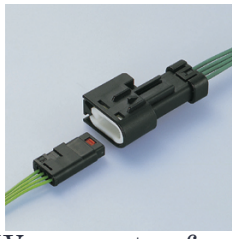
SAB



Type: Sealed
Current rating: 5A
Voltage rating: 14V

0.64mm individual sealed WTW 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.

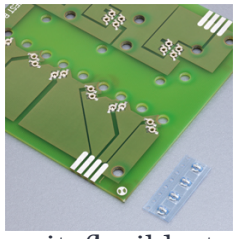
SAC



Type: Sealed
Current rating: MAX 5A
Voltage rating: 14V

Miniaturized 0.64mm Sealed WTW connector for automotive application.

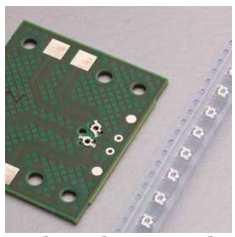
SBO



Current rating: 3A
Voltage rating: 24V

This contact can be placed anywhere on a PC board. 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 PC board thickness to have a low profile connector.

SBO2

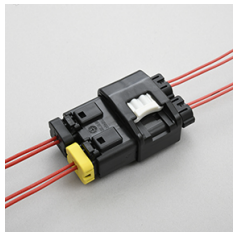


Current rating: 3A
Voltage rating: 24V
This contact can be placed anywhere on a PCB.
This makes it flexible to connect with other male components with different pitches and different numbers of pins.
The receptable is designed inside the PCB thickness.
This makes is possible to have reflow processes on both sides if the PCB without damaging the SBO contact.

SHUNT RING

Connector for an inflator.

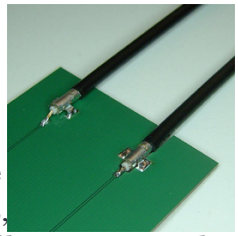
SISC



Type: WTW & Waterproof
Current rating: 5A
Voltage rating: Withstanding voltage:1 000VAC/minute

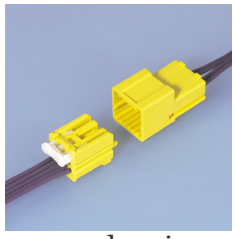
0.64 mm mat sealed wire to wire connector with rigid design and spring lock mechanism.
Spring force prevents half-mating during mating and keeps constant rigid connection between male and female connector.

SJG



This is a terminal to fix a coaxial cable to the PCB.
By press-fitting the dimple on the terminal foot portion into the PCB, the terminal is fixed when installing it onto the PC board and the soldering work is improved.

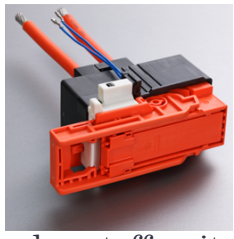
SNA



Current rating: MAX 5A
Voltage rating: 14V

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.

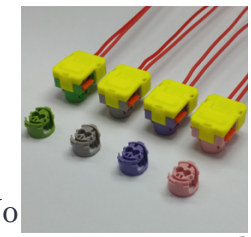
SPH2



Type: Power supply circuit / 100A
Signal circuit / 5A
Current rating: 450V

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.

SQB



Current rating: MAX 3A

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

SQF

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

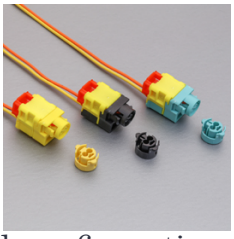
SQH

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.

SQM

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.

SQN



Type: SQUIB & Shunt Ring
Current rating: 3A

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.

SQS

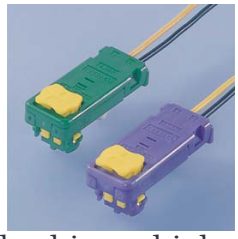
This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time.

SQSK

Current rating: MAX 3A

Conforming to ISO 19072-4.

SQW



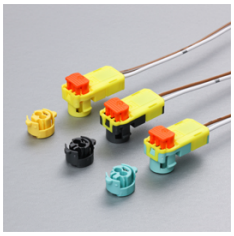
This connector for air-bag has intelligent CPA, which allows locking the connector, incomplete mating detection and release of short-circuit at the same time and achieves high resistance to noise at the specific frequency range with a built-in coil.

JST AUTOMOTIVE CONNECTORS

SQXW

Current rating: MAX 3A

Conforming to ISO 19072-4.



SQZ

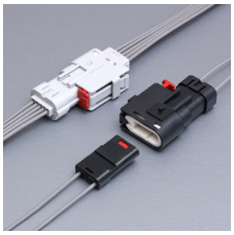
Type: SQUIB & Shunt Ring
Current rating: 3A

Conforming to ISO 19072-4.

SRV

Type: Sealed
Current rating: MAX 7A
Voltage rating: 14V

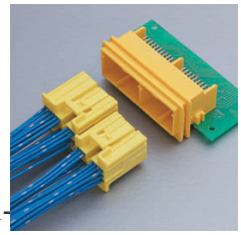
1.2 Sealed Connector



TRZ

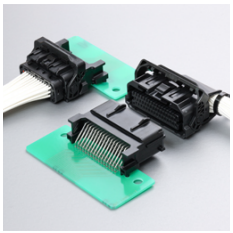
Current rating: 5A
Voltage rating: 50V

Air-bag ECU I/O connector for automobile.



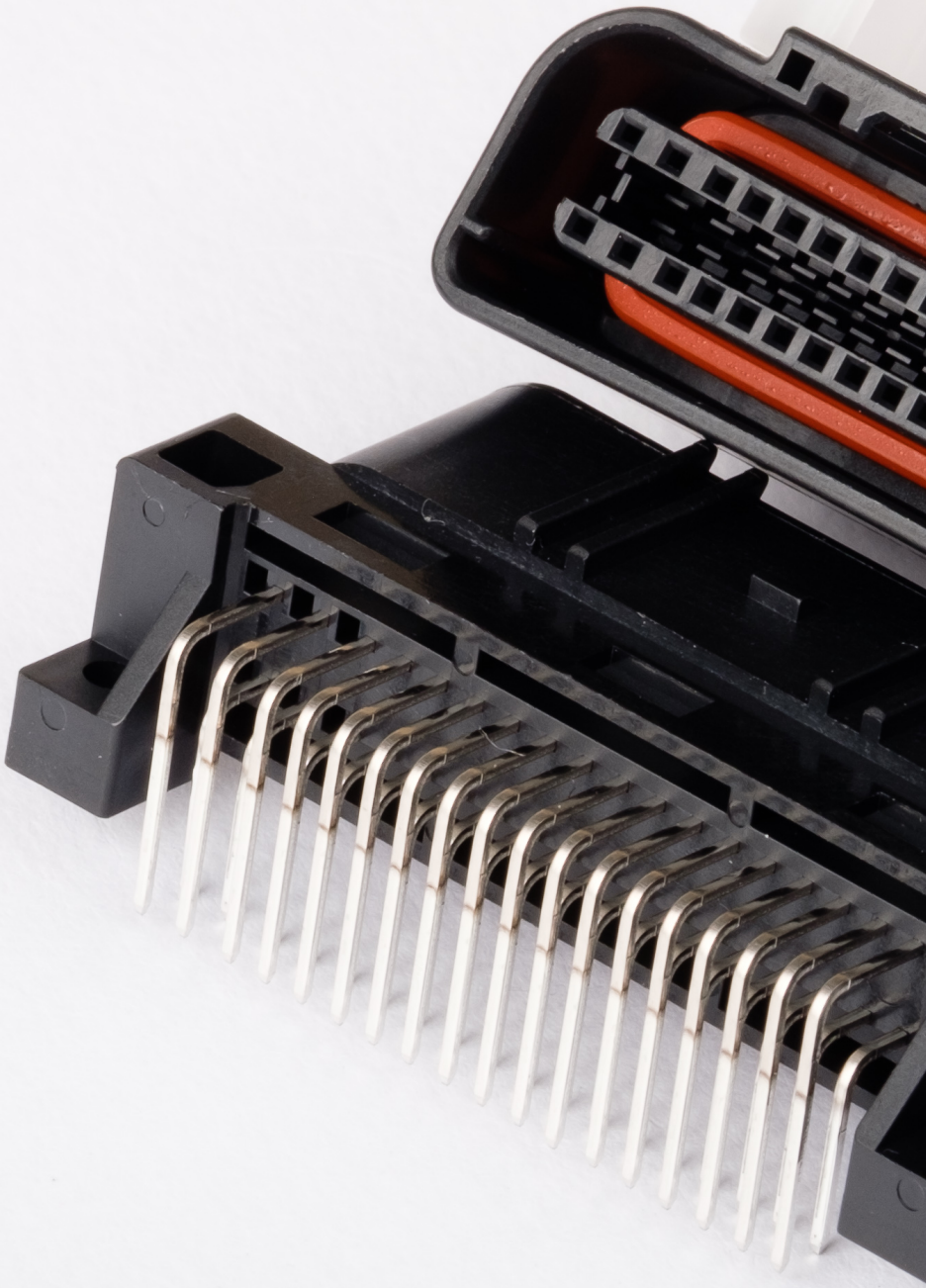
ZRO

Current rating:
Power supply circuit / 7A
Signal circuit / 5A
Voltage rating: 50V



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

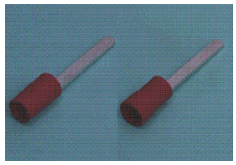
SOLDERLESS TERMINALS & SPLICES



CHAPTER 15
SOLDERLESS TERMINALS

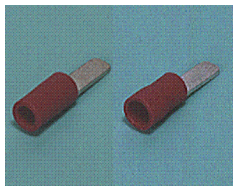
BLADE TERMINAL
(AF-type Vinyl-insulated (funnel-entry))

Type: Blade type with insulator



BLADE TERMINAL
(AF-type Vinyl-insulated with copper sleeve (straight, flared))

Type: Blade type with insulator



BLADE TERMINAL
(AF-type, Non-insulated)

Type: Non-insulated & blade type

BLADE TERMINAL
(AF-type, Nylon-insulated) (straight)

Type: Blade type with insulator

BLADE TERMINAL
(AF-type, Vinyl-insulated) (flared)

Type: Blade type with insulator

BLADE TERMINAL
(AF-type, Vinyl-insulated) (straight)

Type: Blade type with insulator

JST SOLDERLESS TERMINALS

BULLET TERMINAL
(PC type)(Fully-nylon-insulated with copper sleeve)

Type: Quick connection type with insulator

BULLET TERMINAL
(Vinyl-insulated with copper sleeve)

Type: Quick connection type with insulator

COPPER TUBULAR LUGS
(One-hole)

Type: Non insulated & copper tubular type

COPPER TUBULAR LUGS
(Two-holes)

Type: Non insulated & copper tubular type

DOUBLE-HOLE TERMINAL
(RD TYPE)

Type: 2 holes & non-insulated type

FLAG TERMINAL
(FG TYPE)

Type: Flag type

JST SOLDERLESS TERMINALS

FORK TONGUE TERMINAL
(X-type, Non-insulated)

Type: Non-insulated type & Fork tongue terminal X type

FORK TONGUE TERMINAL
(X-type, Vinyl-insulated)

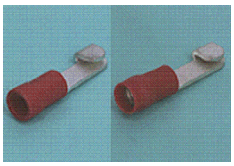
Type: Fork tongue terminal X type with insulator

FORK TONGUE TERMINAL
(Y-type, Non-insulated)

Type: Fork tongue terminal Y & Non-insulated type

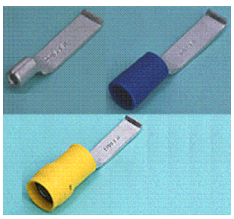
KNIFE DISCONNECT TERMINAL
(K-type)

Type: Knife disconnect type & with insulator



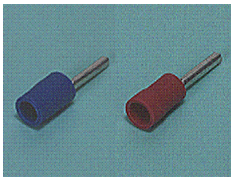
LIPPED BLADE TERMINAL
(AH-type)

Type: Lipped blade type



PIN TERMINAL
(PC-type Vinyl-insulated (straight, flared))

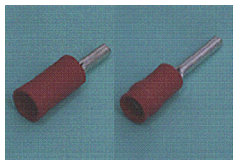
Type: Pin with insulator type



JST SOLDERLESS TERMINALS

PIN TERMINAL
(PC-type Vinyl-insulated with copper sleeve) (straight, flared)

Type: Pin type with insulator

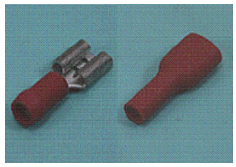


PIN TERMINAL
(PC-type, Non-insulated)

Type: Pin type & non-insulated

QUICK DISCONNECT TERMINAL
(Female, Vinyl-insulated with funnel-entry copper sleeve/Fully-insulated with copper sleeve)

Type: Quick disconnecton type with insulator



QUICK DISCONNECT TERMINAL
(Male, Female, Piggyback / Vinyl-insulated with copper sleeve)

Type: Quick disconnecton type with insulator

RING TONGUE TERMINAL
(R-type, Non-insulated Heavy duty)

Type: Ring terminal non insulated type

RING TONGUE TERMINAL
(R-type, Non-insulated)

Type: Ring terminal non insulated type

RING TONGUE TERMINAL
(R-type, Non-insulated/Bent at 90 degrees)

Type: Ring terminal & non-insulated type

RING TONGUE TERMINAL
(R-type, Non-insulated/of nickel)

Type: Ring terminal & non-insulated type

RING TONGUE TERMINAL
(R-type, Nylon-insulated)(flared)

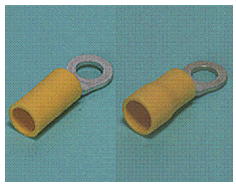
Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Nylon-insulated)(straight)

Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Vinyl-insulated (funnel-entry))

Type: Ring terminal with insulator



RING TONGUE TERMINAL
(R-type, Vinyl-insulated with copper sleeve)
(Medium size)

Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Vinyl-insulated with copper sleeve) (flared)

Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Vinyl-insulated with copper sleeve) (straight)

Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Vinyl-insulated) (flared)

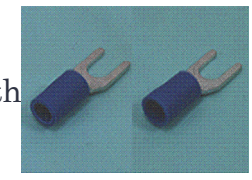
Type: Ring terminal with insulator

RING TONGUE TERMINAL
(R-type, Vinyl-insulated) (straight)

Type: Ring terminal with insulator

SPADE TONGUE TERMINAL
(A-type Vinyl-insulated (funnel-entry))

Type: Spade tongue terminal with insulator

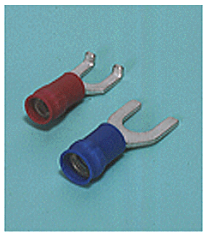


SPADE TONGUE TERMINAL
(A-type; Non-insulated)

Type: Spade tongue terminal, non insulated type

SPADE TONGUE TERMINAL
(A-type/B-type, Vinyl-insulated with copper sleeve) (flared)

Type: Spade tongue terminal with insulator

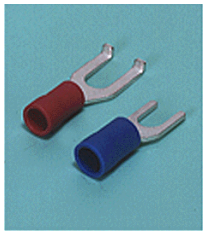


SPADE TONGUE TERMINAL
(A-type/B-type, Vinyl-insulated with copper sleeve) (straight)

Type: Spade tongue terminal with insulator

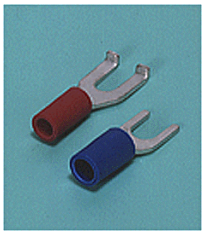
SPADE TONGUE TERMINAL
(A-type/B-type, Vinyl-insulated) (flared)

Type: Spade tongue terminal with insulator



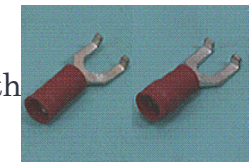
SPADE TONGUE TERMINAL
(A-type/B-type, Vinyl-insulated) (straight)

Type: Spade tongue terminal with insulator



SPADE TONGUE TERMINAL
(B-type Vinyl-insulated (funnel-entry))

Type: Spade tongue terminal with insulator

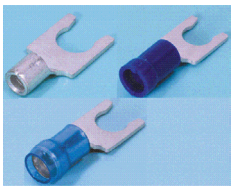


SPADE TONGUE TERMINAL
(B-type, Non-insulated)

Type: Spade tongue terminal non-insulated type

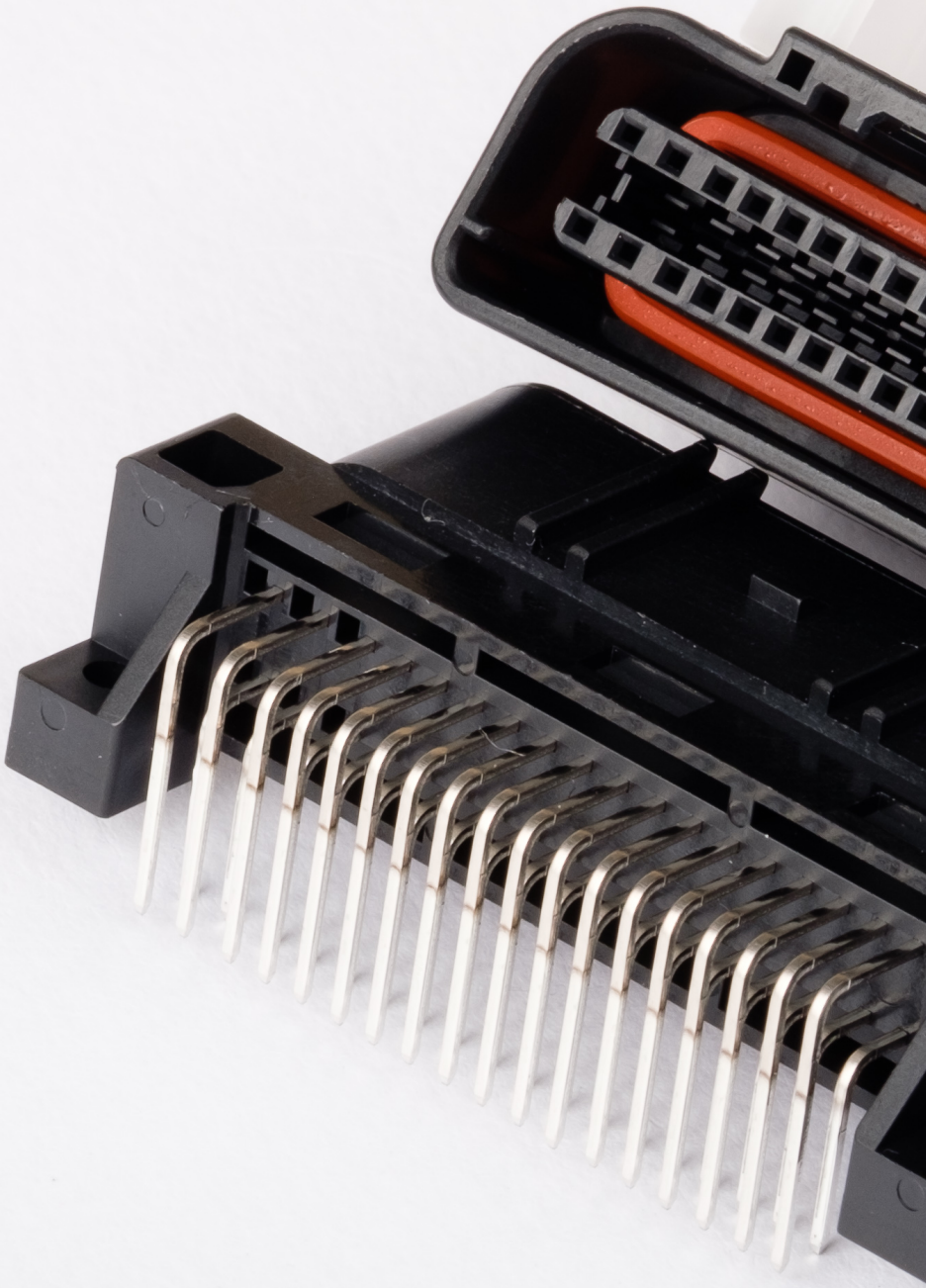
SPADE TONGUE TERMINAL
(LS-type)

Type: Spade tongue terminal



TAPE-ON TERMINALS / SPLICES

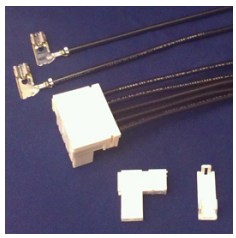
Type: Other, non-insulated type



CHAPTER 16
CHAIN TERMINALS / SPLICES

JST CHAIN TERMINALS / SPLICES

RARSF
5 mm pitch



Type: Other
Current rating: 15A (AWG#14)
(20A contact under development)
Voltage rating: 250V

> Right angle design
> Easy insertion, positive locking
> Ultra low insertion force
> Contact back out preventive design
> Keying options

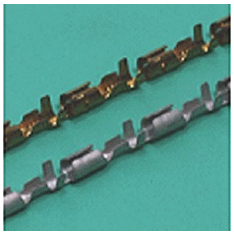
BULLET TERMINAL NOMINAL 4MM DIA. FEMALE

Type: Connectin by bullet terminal

BULLET TERMINAL NOMINAL 4MM DIA. MALE

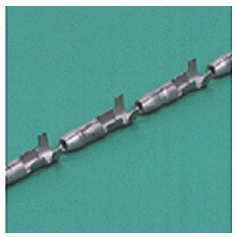
Type: Connection by bullet terminal

BULLET TERMINAL NOMINAL 5MM DIA. FEMALE



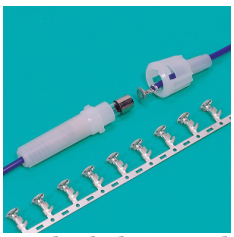
Type: Connection by bullet terminal

BULLET TERMINAL NOMINAL 5MM DIA. MALE



Type: Connection by bullet terminal

BUTTON CONTACT

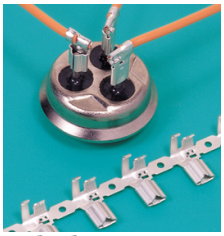


Type: Other

This is a connection component to be incorporated into lamp sockets and fuse holders, and has excellent reliability and workability compared to conventional soldering types, and is widely used in automobiles.

JST CHAIN TERMINALS / SPLICES

CLUSTER PIN TERMINAL



Type: Other

This terminals is used to connect a cluster pin (2.3mm in diameter) to a lead of a motor hermetically sealed in a compressor of a refrigerator, freezer or air conditioner.
The contact is made of tin-plated phosphor bronze to ensure a highly reliable connection for an extemded period.

CLUSTER SOCKET

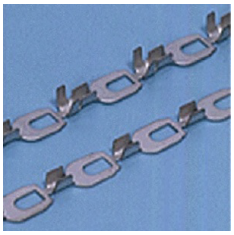
Type: Other

This three circuit connector is used to connect cluster pins (2.3mm in diameter) to the leads of a motor hermetically sealed in a compressor of a refrigerator or a freezer.
The contacts and housing are especially designed and made of high-quality materials for high heat resistance and superior durability.

FORK TONGUE TERMINAL
(Locking type)

Type: Spade tongue terminal

FORK TONGUE TERMINAL
(With or Without insulation grip)



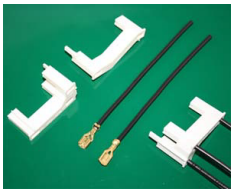
Type: Spade tongue terminal

IG

Type: Other
Current rating: Stainless steel / 320mA & Copper alloy / 5A
Voltage rating: Stainless steel / 23KV & Copper alloy / 200V

This IG connector is to connect the ignition plug (Plug pin dia. 2.0mm) of the Hot Water Supply and Heater.
Ensure easy operation, reliable connection and easy maintenance.

IS

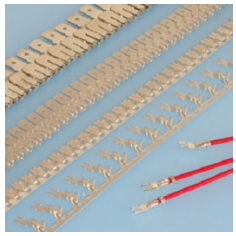


Type: Other
Current rating: 20A (AWG#12)
Voltage rating: 250V

> Easy insertion, positive locking
> Ultra low insertion force
> Contact back out preventive design
> Polarizing rib

JST CHAIN TERMINALS / SPLICES

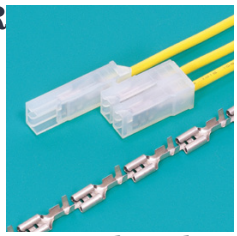
MG CONNECTOR



Type: Other

This is a terminal for connecting the terminal part of the copper magnet wire.
Various types of insulating coated wires can be connected easily and efficiently.

MICROSWITCH CONNECTOR



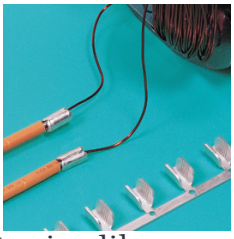
Type: Other
Current rating: 10A
Voltage rating: 250V

This microswitch connector conforms to the Electrical Appliance and Material Safty Law in Japan. The connector can be easily attached to a microswitch with light force, facilitating assembly work. It is also constructed to prevent misinsertion of the contacts when inserting them into the housing. Easy to install, it ensures improved working efficiency in the assembly of harnesses.

PS CONNECTOR

Type: Other
Current rating: 25A (#250(S) AWG#10)
Voltage rating: 250V
> Secure locking mechanism and Low insertion force
> Stable contacting performance
> Misinsertion (reverse insertion) prevention structure for the contact
> Misinsertion prevention structure for the tab (Short type housing)
> Glow wire compatible products are also available for short type housings performance

PIERCING SPLICE



Type: Other

This splice has special channels inside its crimp areas so that insulation-coated windings (magnet wire like enamel-coated wire, etc.) can be electrically connected without removing the insulation coating.
It is suited for connections between the windings of motors, relays and other rotating devices, and the connections between the windings and the leads of such devices.

RING TONGUE TERMINAL
(With or without insulation grip)

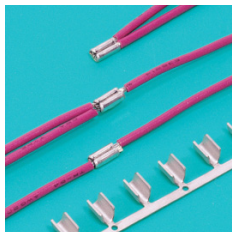
Type: Ring terminal

RING TONGUE TERMINAL
(With tooth lock)

Type: Ring terminal

JST CHAIN TERMINALS / SPLICES

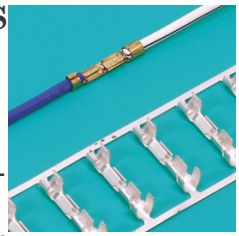
SPC SPLICE



Type: Other

This WTW splice is used extensively for straight, branching, and end connections.

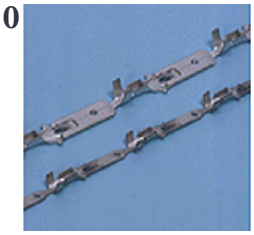
SPLICE FOR HEATER WIRES



Type: Other

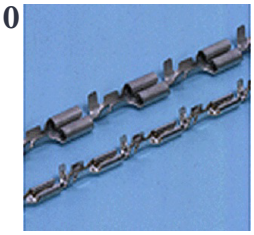
This splice is used to connect a vinyl-insulated wire to a defrosting heater wire of a refrigerator or a freezer.
The barrel of the splice has a lid feature that prevents the heater wire from being damaged or broken during crimping.

TAB-IN TERMINAL #110 #250 TAB-IN TAB TYPE



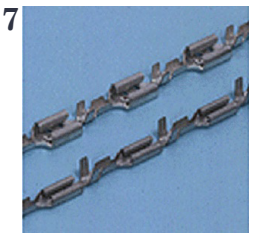
Type: Tab-on/in type

TAB-IN TERMINAL #110 #250 TAB-IN TYPE



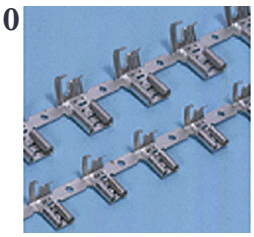
Type: Tab-on/in type

TAB-IN TERMINAL #110 #187 TAB-ON TYPE



Type: Tab-on/in type

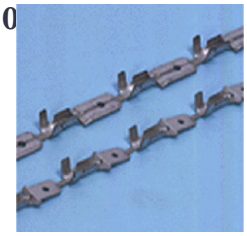
TAB-IN TERMINAL #110 #250 TAB-ON FLAG TYPE



Type: Tab-on/in type

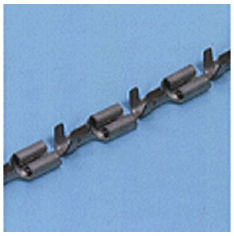
TAB-ON TERMINAL #187 #250
TAB-ON TAB TYPE

Type: Tab-on/in type



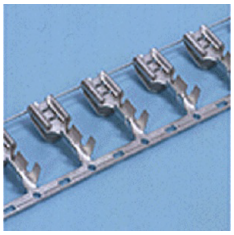
TAB-ON TERMINAL #205
TAB-ON TYPE

Type: Tab-on/in type



TAB-ON TERMINAL #250
TAB-ON PIGGYBACK TYPE

Type: Tab-on/in type



TAB-ON TERMINAL #250
TAB-ON TYPE

Type: Tab-on/in type

CHAPTER 17
SOLDERLESS SPLICES

JST SOLDERLESS SPLICES

BUTT SPLICE
(C-type Non-insulated/WSC-type Non-insulated, Vinyl or nylon-insulated)

Type: Batt & non-insulated type

BUTT SPLICE
(C-type Nylon-insulated)

Type: Batt type with insulator

BUTT SPLICE
(C-type Vinyl-insulated)

Type: Batt type with insulator

CLOSED-END SPLICE
(CE-type/SD-type)

Type: Closed-end type with insulator

COPPER TUBULAR SPLICE
(CZ-type)

Type: Copper tubular type

OVAL TYPE SPLICE
(CV-type)

Type: Batt & non-insulated type

JST SOLDERLESS SPLICES

OVAL TYPE SPLICE
(PV-type)

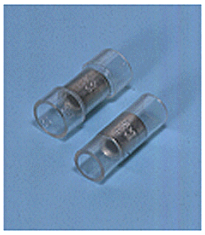
Type: Non-insulated & parallel type

PARALLEL SPLICE
(P-type Non-insulated)

Type: Non-insulated & parallel type

PARALLEL SPLICE
(P-type Nylon-insulated)

Type: Parallel type with insulator



PARALLEL SPLICE
(P-type Vinyl-insulated)

Type: Parallel type with insulator

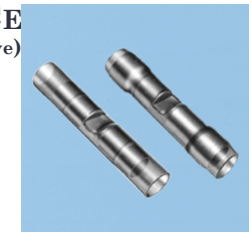
WINDOW TYPE BUTT SPLICE
(CW-type Non-insulated)

Type: Batt & non-insulated type

WINDOW TYPE BUTT SPLICE
(CW-type Nylon-insulated)

Type: Batt type with insulator

WINDOW TYPE BUTT SPLICE
(CW-type, Nylon-insulated with copper sleeve)



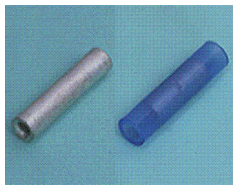
Type: Batt type with insulator

CHAPTER 18
DIN TYPE SOLDERLESS TERMINALS / SPLICES

JST DIN TYPE SOLDERLESS TERMINALS / SPLICES

DIN TERMINALS / SPLICES BUTT SPLICE

Type: Batt type

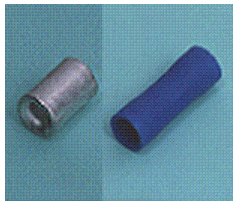


DIN TERMINALS / SPLICES INSULATED DISCONNECT TERMINAL

Type: Quick connection & tab-on / in type

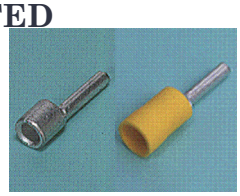
DIN TERMINALS / SPLICES PARALLEL SPLICE

Type: Parallel type



DIN TERMINALS/ SPLICES PIN TERMINAL NON-INSULATED / INSULATED

Type: Pin type



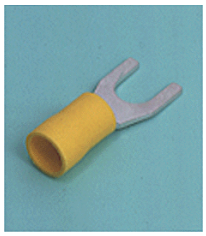
DIN TERMINALS / SPLICES RING TONGUE TERMINAL, INSULATED

Type: Ring terminal with insulator

DIN TERMINALS / SPLICES RING TONGUE TERMINAL, NON-INSULATED

Type: Ring terminal non-insulated type

DIN TERMINALS / SPLICES SPADE TONGUE TERMINAL INSULATED

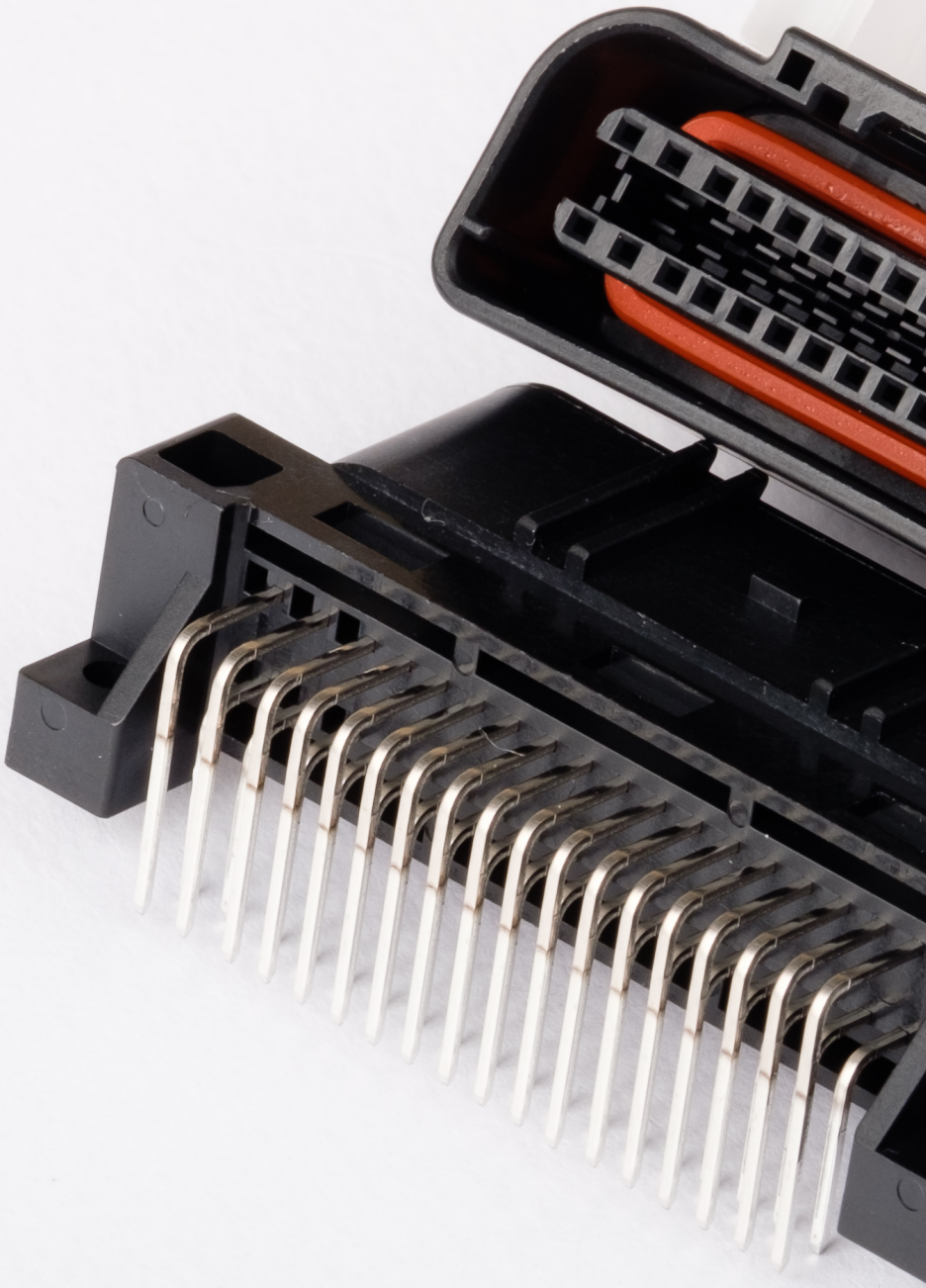


Type: Spade tongue terminal with insulator

DIN TERMINALS / SPLICES SPADE TONGUE TERMINAL NON-INSULATED

Type: Spade tongue terminal non-insulated type

TOOLING



CHAPTER 19
HAND TOOLS

JST PCR HAND TOOLS

Our PCR hand tools are equipped with a locator which optimizes contact installation and wire insertion. Therefore they smplify the achievement of crimp cycle.

Their handles reduce crimping effort:
> The symetric crimp dies & locator can be used by right & left-handed users.
> They are compact & light.
> They allow an accurate criming for the professionnal users in search of constant reliability & quality.
> Accurate crimping of solderless connections.
> Lifetime exceeding 50 000 cycles.

> Maintain the pushed locator, insert the contact, release, then place the bare thread.
> A pressure on sleeves and the contact is set according to our crimping specificiations.

FEATURES

LENGHT : 190 mm
HEIGHT : 74 mm
WIDTH : 21 mm
WEIGHT : 280 Grs (Hand tool only)
302 Grs (Hand tool + die)
317 Grs (Hand tool + die +locator)

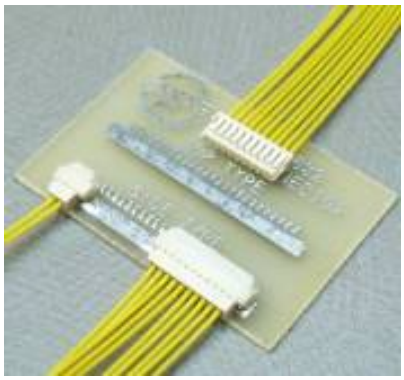
TERMINALS	CRIMPING TOOL	WIRE SECTION (MM²)	AWG
(S)PH-002T-P0.5S	PCR-01B	0.08 to 0.22	28 to 24
(S)XH-001T-P0.6	PCR-02A	0.13 to 0.33	26 to 22
(S)VH-21T-P1.1	PCR-03D	0.33 to 0.83	22 to 18
(S)LBTAD-01T-M0.5	PCR-LBTA	0.22 to 0.5	24 to 20

JST PCC HAND TOOL

> High resistance due to a hardened steel allow
> Full cycle mechanism for a reliable crimping
> Release mechanism to avoid clogging
> Table clamp optional
> Accurate crimping
> Lifetime tests exceeding 50 000 cycles

Manual advance tool with a precise mechanical steering system, ensuring a correct placing of chain terminal, cut & crimp.

FEATURES
LENGHT : 200 mm
HEIGHT : 164 mm
WIDTH : 26 mm
WEIGHT : 500 Grs (Frame only)



TERMINALS	CRIMP TOOL	WIRE SECTION(MM²)	AWG	CONDUCTOR	RECOMMENDED WIRE
SSUH-003T-P0.15	PCC-05C	0.05	30	ANNEALED COPPER STRANDED TIN-PLATED	UL1571 (STRANDED WIRE)

PCR-04AB HAND TOOL

Our PCR hand tools are equipped with locators which optimizes contact installation and wire insertion. Therefore they smplify the achievement of crimp cycle.

Their handles reduce crimping effort:
> The symetric crimp dies & locator can be used by right & left-handed users.
> They are compact & light.
> They allow an accurate criming for the professionnal users in search of constant reliability & quality.
> Accurate crimping of solderless connections.
> Lifetime exceeding 50 000 cycles.

SERIE	TERMINALS	CRIMPING TOOL	WIRE SECTION (MM²)	AWG
PHD	SPHD-001T-P0.5	PCR-04AB	0.13-0.33	26-22
	SPHD-002T-P0.5		0.08-0.21	28-24
PA	SPA-001T-P0.5		0.13-0.33	26-22
PAL	SPAL-001T-P0.5		0.13-0.33	26-22
	SPAL-002T-P0.5		0.08-0.21	28-24

> Maintain the pushed locator
> Insert the contact
> Release then place the bare thread
> A pressure on sleeves & the contact is set according to our crimping specifications

FEATURES

LENGHT : 190 mm
HEIGHT : 74 mm
WIDTH : 21 mm
WEIGHT : 280 Grs (Hand tool only)
302 Grs (Hand tool + die)
317 Grs (Hand tool + die +locator)

JST PCK HAND TOOLS

PCK-06H

Tools feature an integrated locator which optimizes terminal installation & wire insertion in order to simplify the crimp cycle.

Their special ergonomic handles reduce crimping effort.

Lifetime tests exceeding
50 000 cycles.

TAB ON FLAG TERMINALS	WIRE SIZE MM²	AWG
(S)FO-2.5-250N	1.0 to 2.5	18 to 14
(S)FO-2.5T-250N		

PCK-05E

INSULATED TERMINALS	WIRE SIZE MM²	AWG
RED, BLUE, YELLOW	0.75 TO 6.0	22 to 10

Red insulator Wire size 0.2 – 1.65 mm²	Drill hole or width (mm)	Ref	Blue insulator Wire size 1.04 – 2.63 mm²	Drill hole or width (mm)	Ref	Yellow insulator Wire size 2.63 – 6.64 mm²	Drill hole or width (mm)	Ref
	2.8	FVDDF1.5-110A-5		4.8	FVDDF2-187A-*		6.3	FVDDF5.5-250A
	4.8	FVDDF1.25-187A-*		5	FVDDF2-205A-*			FVDDF5.5-375A
	5	FVDDF1.25-205A-*		6.3	FVDDF2-250A		6.3	FVDDM5.5-250
	6.35	FVDDF1.25-250A		6.3	FLVDDF2-187A-*		Ø4 – Ø20	FV5.5-**
	6.3	FLVDDF1.25-187A-*			FLVDDF2-250A		Ø4 – Ø6	FV5.*-S**A
		FLVDDF1.25-250A		6.3	FVDDM2-250		2.8	FV5.5-1AF
	6.3	FVDDM1.25-250			FVDDM2-250A	Insulated terminals		
	6.3	FVDDFM1.25-250A		Ø2 – Ø10	FV2-**			
	Ø2 – Ø10	FV1.25-**		Ø3 – Ø6	FV2-S**A			
	Ø2 – Ø6	FV1.25-S**A		Ø3	CVDGF2-5			
	Ø4	FVDGM1.25-5		Ø4				
	Ø3			Ø5				
	Ø3.96	CVDGF1.25-5		Ø4.95	FVDGF2-5			
	2.8	FV1.25-1AF		2.8	FV2-1AF			
	Ø3	FVPC1.25		Ø3	FVPC-2			

*Mating tab thickness 0.5 mm (-5) or 0.8 mm (-8)

** Ø Drill hole

Vinyl Insulation, exist in Nylon (N) and in reinforced insulation (D), REACH compliance (K)

JST HAND TOOLS

Terminal Number	PCK	YRS	YC	YRM	WC	Extraction Tool
CVDGF1.25-5	PCK-05E					
CVDGF2-5	PCK-05E					
FLVDDF1.25-187A-*	PCK-05E					
FLVDDF1.25-250A	PCK-05E					
FLVDDF2-187A-*	PCK-05E					
FLVDDF2-250A	PCK-05E					
FV1.25-**	PCK-05E					
FV1.25-1AF	PCK-05E					
FV1.25-S**A	PCK-05E					
FV2-**	PCK-05E					
FV2-1AF	PCK-05E					
FV2-S**A	PCK-05E					
FV5.*-S**A	PCK-05E					
FV5.5-**	PCK-05E					
FV5.5-1AF	PCK-05E					
FVDDF1.25-187A-*	PCK-05E					
FVDDF1.25-205A-*	PCK-05E					
FVDDF1.25-250A	PCK-05E					
FVDDF1.5-110A-5	PCK-05E					
FVDDF2-187A-*	PCK-05E					
FVDDF2-205A-*	PCK-05E					
FVDDF2-250A	PCK-05E					
FVDDF5.5-250A	PCK-05E					
FVDDF5.5-375A	PCK-05E					
FVDDFM1.25-250A	PCK-05E					
FVDDM1.25-250	PCK-05E					
FVDDM2-250	PCK-05E					
FVDDM2-250A	PCK-05E					
FVDDM5.5-250	PCK-05E					
FVDGF2-5	PCK-05E					
FVDGM1.25-5	PCK-05E					
FVPC1.25	PCK-05E					
FVPC-2	PCK-05E					
Quick disconnect terminal	PCK-05G					
JK-SP/SS2***		YRS-370				KEJ-0.7 (plug) / KEJ-0.4 (Socket)
J-SP/SS1***		YRS-440	YC-440			DEJ-0.3
J-SP/SS2***		YRS-330				DEJ-0.3
LFO-1.0-250N					JUCS-FO	
LFO-2.5-250N					JUCS-FO	
MD-SP12**		YRS-470				MEJ-06
MD-SP22**		YRS-460				MEJ-06
RA-SC1290		YRS-231		YRM-232 / YRM-233		EJ-RA
RF-SC22**				YRM-230		
RPJ-SP/SS2331		YRS-331				
SAA-21(T)-**			YC-141			
SAA-50(T)-**			YC-182			
SAA-51(T)-**			YC-142			
SAB-51(T)-**			YC-142			
SACH-003G-P0.2		YRS-1190			WC-ACH2830	
SACHP-003G-P0.2					WC-ACH2830	
SACH-002GU-P0.3		YRS-858				
SAIT-A03T-M064A					WC-AIT03	
SAIT-A03GF-M064					WC-AIT03	
SAN-002T-0.8A / SAN-002T-0.8K		YRS-220			WC-220	EJ-PH
SAUH-001G-M0.2					WC-AUH001	

Terminal Number	PCK	YRS	YC	YRF	YRK	WC	Extraction Tool
SBH-001T-P0.5			YC-670R			WC-670	
SBHL-002T-P0.5		YRS-857					
SBHM-001T-P0.5			YC-670R				
SBHS-002T-P0.5A		YRS-852					EJ-BHS2
SBHSM-002T-P0.5		YRS-854					
SBHT-002T-P0.5		YRS-856 / YRS-857					
SBN-001T-1.0		YRS-170	YC-170R				
SCN-001T-1.0K / SCN-001T-P1.0		YRS-191	YC-191R			WC-191	
SCPT-A021GF-0.5		YRS-1310				WC-CPT021	
SCS-41T-2.3							CSJ-23
SCZH-002T-P0.5		YRS-492					
SDF-01T-1.0A			YC-045				
SDF-01T-1.3AS			YC-045				
SDN-21T-P1.5			YC-600R				
SDY-01T-P1.6ASV			YC-525R				SLJ-1.4
SEH-001T-P0.6		YRS-260	YC-260R			WC-260	
SF1F-002(*)-P0.6					YRK-1220	WC-SF1002	EJ-JFAJ1100
SF1M-002(*)-M0.6A					YRK-1220	WC-SF1002	EJ-JFAJ1100
SF1F-21(*)-P0.6					YRK-1210		
SF1M-21(*)-M0.6					YRK-1210		
SF3F-002(*)-P2.0				YRF-882	YRK-8821		EJ-JFAJ3
SF3F-01(*)-P2.0				YRF-881	YRK-8811		EJ-JFAJ3
SF3M-01(*)-M2.0N				YRF-881	YRK-8811		EJ-JFAJ3
SF3F-41(*)-P2.0				YRF-880	YRK-8801	WC-880	EJ-JFAJ3
SF3M-41(*)-M2.0N				YRF-880	YRK-8801	WC-880	EJ-JFAJ3
SF3F-71(*)-P2.0				YRF-1070	YRK-1071	WC-SF371	EJ-JFAJ3
SF3M-71(*)-M2.0N				YRF-1071	YRK-1071	WC-SF371	EJ-JFAJ3
SF0-2.5-250N	PCK-06H						
SF0-2.5T-250N	PCK-06H						
SF0-41(T)-187N(8)			YC-271				
SF0-61(T)-250A			YC-270				
SFPS-61T-250			YC-272				
SFT-61T-250N			YC-510				
SGF-41(T)-4			YC-055				
SGF-51(T)-5			YC-065				
SGHD-002(*)-P0.2						WC-GH2630	
SGM-51(T)-4			YC-056				
SGM-51(T)-5			YC-056				
SGVHSF-002T-P0.2						WC-GVH2630	
SHCM-A03T-P025		YRS-960				WC-SHCM-A03	
SHF-001T-0.8BS		YRS-122	YC-122R			WC-122	
SHF-002T-0.8BS		YRS-300					
SHR-001T-P0.6		YRS-580	YC-580R				
SIM-01(T)-110A			YC-054				
SIM-1.0-250D/N						JUCS-IM	
SIM-2.5-250D/N						JUCS-IM	
SIM-41(T)-110B			YC-067				
SIM-51(T)-250N			YC-321				
SIN-001T-1.2		YRS-034					
SIN-002T-1.0S		YRS-035					
SIN-01T-1.2			YC-340R				
SIN-01T-1.8			YC-032				
SIN-01T-1.8N			YC-032				
SIN-21T-1.8			YC-350				
SIN-21T-1.8S			YC-570 / YC-571				

JST HAND TOOLS

Terminal Number	PCR	YRS	YC	YRM	YRF	YRK	WC	Extraction Tool
SIN-61T-2.6S			YC-560					
SIN-81T-3.6S			YC-940					
SJ2F-002GF-P1.0		YRS-8851				YRK-8851	WC-SJ2002	EJ-JFAJ2N
SJ2M-002GF-M1.0N		YRS-8851				YRK-8851	WC-SJ2002	EJ-JFAJ2N
SJ2F-01GF-P1.0		YRS-8861				YRK-8861	WC-SJ201	EJ-JFAJ2N
SJ2M-01GF-M1.0N		YRS-8861				YRK-8861	WC-SJ201	EJ-JFAJ2N
SJ2M-01GF-M1.0S		YRS-8861				YRK-8861		EJ-JFAJ2N
SJ2F-21GF-P1.0					YRF-1120	YRK-1120	WC-SJ221	EJ-JFAJ2N
SJ2M-21GF-M1.0N					YRF-1120	YRK-1120	WC-SJ221	EJ-JFAJ2N
SJ4F-71GF-M3.0					YRF-1130			EJ-JFAJ4
SJ4F-81GF-M3.0					YRF-1370			EJ-JFAJ4
SJ5F-71GF-M6.5					YRF-888			EJ-JFAJ5
SJ5M-71GF-M6.5					YRF-888			EJ-JFAJ5
SJ5F-81GF-M6.5					YRF-889			EJ-JFAJ5
SJ5M-81GF-M6.5					YRF-889			EJ-JFAJ5
SJ5F-91GF-M6.5								EJ-JFAJ5
SJ5M-91GF-M6.5								EJ-JFAJ5
SJN-001PT-0.9		YRS-1181						
SJN-002PT-0.9		YRS-036						
SJWPSR-21T-P1.0							WC-JWPS	
SLBTAD-01T-M0.5	PCR-LBTA							
SLC-21T-2.0			YC-310				WC-310	
SLEB-001T-P0.2							WC-LEB001	
SLF/M-01T-P1.3E			YC-202	YRM-201			WC-202	LEJ-13
SLF/M-41T-P1.3E			YC-203				WC-203	LEJ-13
SLF/M-61T-2.0			YC-022					
SMF-01T-1.0			YC-081					
SMF-01T-1.3			YC-082					
SMM-003T-P0.5		YRS-800					WC-800	
SMR-001T-0.6		YRS-580	YC-580R					HRWJ
SNAC-A081T-M2.8					YRF-1041			
SNAC3-A031T-M0.64						YRK-1011 / YRK-1012		
SOM-21(T)-187			YC-680					
SOM-51(T)-250			YC-066				WC-066	
SPA-001T-P0.5	PCR-04AB		YC-610R / YC-611R					EJ-PH
SPAL-001T-P0.5	PCR-04AB		YC-610R / YC-611R				WC-610M	EJ-PAL
SPAL-002T-P0.5	PCR-04AB	YRS-1340						EJ-PAL
SPB-1.0-250N-S							JUCS-PB	
SPB-2.5-250N-S							JUCS-PB	
SPF-01T-2.5C			YC-043R					
SPH-001T-P0.5L		YRS-245					WC-244	
SPH-002T-P0.5L		YRS-241						EJ-PH
SPH-002T-P0.5S		YRS-240		YRM-240			WC-240	EJ-PH
SPH-004T-P0.5S		YRS-243						EJ-PH
SPHD-001T-P0.5	PCR-04AB		YC-610R / YC-611R				WC-610M	EJ-PHD
SPHD-002T-P0.5	PCR-04AB	YRS-620		YRM-620			WC-620	EJ-PHD
SPND-001T-C0.5		YRS-1091					WC-1091	EJ-PND
SPND-002T-C0.5		YRS-1090					WC-1090	EJ-PND
SPNI-001T-P0.5							WC-PNI001	
SPS-01T-110			YC-740				WC-740	
SPS-01T-187(-8)			YC-730 / YC-731				WC-730	EJ-PS187
SPS-21T-205(-5)			YC-760					
SPS-21T-250			YC-780				WC-780	EJ-PS250
SPS-21T-250S			YC-780				WC-780	EJ-PS250
SPS-41T-110			YC-750 / YC-751				WC-750	
SPS-51T-187(-8)			YC-710 / YC-711				WC-710	EJ-PS187

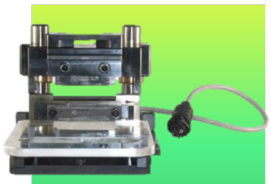
Terminal Number	PCC / PCK	YRS	YC	YRF	WC	Extraction Tool
SPS-51T-205			YC-710 / YC-711			
SPS-61T-250			YC-720		WC-720	EJ-PS250
SPS-61T-250S			YC-721			EJ-PS250
SPS-91T-250				YRF-790		EJ-PS250
SPS-91T-250S				YRF-791		EJ-PS250
SPUD-001T-P0.5		YRS-1320			WC-PUD1	
SPUD-002T-P0.5					WC-PUD2	
SRA-20(T)-*			YC-181			
SRA-21(T)-*			YC-141			
SRA-50(T)-*			YC-182			
SRA-51(T)-*			YC-142			
SRB-1.0-(*)					JUCS-RB/RT	
SRB-2.5-(*)	PCK-07E				JUCS-RB/RT	
SRB-51(T)-**			YC-142			
SRC-01(T)-**			YC-033			
SRC-50(T)-**			YC-183			
SRC-51(T)-**			YC-142			
SRF-51(T)-**			YC-142			
SRT-1.0-(*)					JUCS-RB/RT	
SRT-2.5-(*)	PCK-07E				JUCS-RB/RT	
SRT-51T-**			YC-143R			
SRWF-01GG-M0.6						EJ-RPZ
SRWM-01GG-S0.6						EJ-RPZ
SRWF-21GG-M0.6						EJ-RPZ
SRWM-21GG-S0.6						EJ-RPZ
SRWF-61GG-M0.6			YC-840R			EJ-RPZ
SRWM-61GG-S0.6			YC-840R			EJ-RPZ
SSH-003T-P0.2H		YRS-859			WC-SH2832	
SSH-003GA-P0.2		YRS-859			WC-SH2832	
SSHL-002T-P0.2		YRS-1140			WC-GH2630	
SSHL-003T-P0.2		YRS-859			WC-SH2832	
SSHL-003GA1-P0.2		YRS-859			WC-SH2832	
SSFH-001T-P0.5					WC-SFH1	
SSFH-002T-P0.5		YRS-1490			WC-SFH2	
SSF/M-01T-P1.4			YC-500			SLJ-1.4
SSF/M-21T-P1.4			YC-550		WC-550	SLJ-1.4
SSUH-003T-P0.5	PCC-05C					
STI-01(T)-110N			YC-041			
STI-1.0(T)-250D/N					JUCS-TI	
STI-2.5(T)-250D/N					JUCS-TI	
STI-41(T)-110N			YC-063			
STI-51(T)-250N			YC-322			
STO-01(T)-110N(-8)			YC-041			
STO-01(T)-187N(-8)			YC-042			
STO-0.25-110N			YC-810			
STO-0.5-110N			YC-820		JUCS-05110	
STO-1.0-110N	PCK-07E				JUCS-2.8/4.8	
STO-1.0-187N	PCK-07E				JUCS-2.8/4.8	
STO-1.0(T)-250N	PCK-07E				JUCS-6.3	
STO-2.5(T)-250N	PCK-07E				JUCS-6.3	
STO-21(T)-205N			YC-053			
STO-21(T)-250N			YC-102			
STO-41(T)-110N(-8)			YC-062			
STO-41(T)-187N(-8)			YC-051			
STO-41(T)-187S			YC-064			

Terminal Number	PCR	YRS	YC	YRM	YRF	WC	Extraction Tool
STO-61(T)-250N			YC-047				
STO-81(T)-250N			YC-280		YRF-280		
STS/D-002GG-P0.6		YRS-1360					
SVA-41T-P1.1			YC-450				EJ-SMP
SVF-01T-1.5A			YC-044				
SVF-01T-1.5N			YC-151				
SVF-01T-2.36N			YC-152				EJ-LV
SVF-42T-P2.0			YC-592			WC-592	VLJ-20
SVM-42T-P2.0			YC-593			WC-592	VLJ-20
SVF/M-61T-P2.0					YRF-590	WC-590	VLJ-20
SVF/M-81T-P2.0					YRF-591	WC-591	VLJ-20
SVH-21T-P1.1	PCR-03D		YC-160R / YC-161R / YC-164R	YRM-160 / YRM-164		WC-160	EJ-NV
SVH-41T-P1.1			YC-930R / YC-931R			WC-930	EJ-NV
SVT-41T-P1.1			YC-630				EJ-VT
STU-21T-P0.6			YC-990R				EJ-VU4
SVYF-61T-P0.5A					YRF-536		
SWPJT-21T-P0.5						WC-WPJM	EJ-WPJ
SWPJT-21T-P0.5A						WC-WPJ(A)	EJ-WPJ
SWPJR-21T-M0.5						WC-WPJM	EJ-WPJ
SWPJR-21T-M0.5A						WC-WPJ(A)	EJ-WPJ
SWPKP-21T-0.6					YRF-1051		
SWPKR-21T-0.6					YRF-1050		
SWPR-001T-P025		YRS-980				WC-JWPF	EJ-JWPF
SWPT-001T-P025		YRS-980				WC-JWPF	EJ-JWPF
SXA-01T-P0.6		YRS-701	YC-701R			WC-700M	EJ-XMP
SXM-01T-P0.6		YRS-701	YC-701R				EJ-XMP
SXA-001T-P0.6		YRS-692	YC-692R			WC-692	EJ-XMP / EJ-XMR
SXM-001T-P0.6		YRS-692	YC-692R				EJ-XMP / EJ-XMR
SXA-001T-P0.6L		YRS-691				WC-691	
SXAM-01T-P0.6		YRS-701	YC-701R			WC-700M	
SXAM-001T-P0.6		YRS-692	YC-692R			WC-692	
SXF-01T-P0.7			YC-251				LEJ-7
SXF-41T-P0.7			YC-252				LEJ-7
SXH-001T-P0.6		YRS-110	YC-110R / YC-111R			WC-110	XJ-06
SXH-001T-P0.6N							XJ-06
SXH-002T-P0.6		YRS-480					XJ-06
SXNI-001T-P0.6		YRS-1380					
SXNI-003T-P0.6		YRS-1390					
SYF-001T-P0.6		YRS-125					
SYF/M-01T-P0.5A			YC-520			WC-520	YLJ-0.5
SYF/M-41T-P0.5A			YC-530			WC-530	YLJ-0.5
SYF-61T-P0.5A					YRF-536		
SYM-001T-P0.6		YRS-121	YC-121R			WC-121	SMJ-06
SYM-01T-P0.7			YC-251				LEJ-7
SYM-41T-P0.7			YC-252				LEJ-7
SZE-002T-P0.3		YRS-1300				WC-ZE2426	
SZE-003T-P0.3		YRS-1330					
SZF/M-01T-P0.7			YC-390R				ZLJ-07S
SZF/M-41T-P0.7			YC-380R				ZLJ-07S
SZH-002T-P0.5		YRS-491				WC-491 / WC-ZH2632	
SZH-003T-P0.5		YRS-490				WC-490 / WC-ZH2632	
SZN-002T-P0.7K		YRS-541					
SZN-003T-P0.7K		YRS-540					
SZPD-002-03						WC-ZE2426	

JST HAND TOOLS

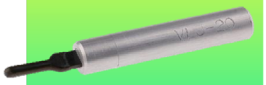

EXTRACTION TOOL


HPD


H2


IDB


IDH


INSERTION TOOL


PCC


PCK


PCR


WC


YC


YRF


YRK


YRS

JST France

EUROPEAN PRODUCTION PLANT

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