### TCS connector

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1mm</td>
<td>- With secure locking device</td>
<td>2A (AWG#26)</td>
<td>50V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Secure locking structure&lt;br&gt;Countermeasure for unexpected prying insertion</td>
</tr>
</tbody>
</table>

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

### ACH connector (W to W)

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2mm</td>
<td>- Crimp style, With locking device</td>
<td>2A</td>
<td>50V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>This is the wire-to-wire connector for DC power supply.</td>
</tr>
</tbody>
</table>

### RWM connector

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>- Drawer connector, Double-row&lt;br&gt;- Crimp style, Disconnectable type</td>
<td>Signal circuit/1.0A (AWG#26)</td>
<td>Signal circuit/50V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

### TZ/TZW connector

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>- Convertible unit into W to W connection, Matable with CZ receptacle, With panele locking device</td>
<td>2A (AWG#26)</td>
<td>100V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>With the CZ receptacles, TZ (single-row) or TZW (dual-row) connectors allow wire-to-wire connection. By adding CZ and CZW connectors, more complicated harness design is possible.</td>
</tr>
</tbody>
</table>

### ZM connector

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>- Crimp style</td>
<td>MAX 0.7A (AWG#28)</td>
<td>MAX50V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Both ZH crimp style and ZR insulation displacement connector receptacles can be accommodated by the ZM connector.</td>
</tr>
</tbody>
</table>

*The fully shrouded header provides protection from rocking the connector halves back and forth during mating and unmating.*

### JWPF connector (W to W)

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>2mm</td>
<td>- Crimp style, Waterproof connector</td>
<td>3A (AWG#22)</td>
<td>100V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Compact waterproof connector, using 025 contacts and a single piece solid wire seal.</td>
</tr>
</tbody>
</table>

*Superior contact performance is provided by the double-leaf construction, consisting of a main and assist leaf spring. |
*Housing lances |
*Inter-housing lock
**PAL connector**

2mm pitch

- **Type**
  - Crimp style, With secure locking device
- **Current rating**
  - 3A (AWG#22)
- **Voltage rating**
  - 100V

Applicable to both crimp and insulation displacement style receptacles.

- Secure locking device prevents accidental disconnection.
- Secondary retainers provide added protection against incomplete insertion or disconnection.
- Panel locking type is also available.

**PNI connector** (W to W)

2mm pitch

- **Type**
  - Crimp style, With secure locking device
  - Inertial lock structure
- **Current rating**
  - 3A (AWG#22)
- **Voltage rating**
  - 100V

This connector is a 2.0mm pitch wire-to-wire connector, having incomplete mating prevention mechanism.

---

**TR/TRW connector**

2mm pitch

- **Type**
  - Crimp style, With panel locking device
- **Current rating**
  - 1.0A (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.

---

**JFA connector J1000 Series** (W to W)

2.2mm 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 contact are designed to be common. The applicable tooling can be standarded.

---

**HM connector**

2.5mm pitch

- **Type**
  - Maitable with crimp style/IDC style HR receptacle
- **Current rating**
  - Insulation displacement HR/MAX 2A.
  - Crimp style HR/MAX 3A
- **Voltage rating**
  - MAX250V

Matable with HR receptacles

- Both crimp style and insulation displacement HR connector receptacles can be accommodated by the HM connector.
- Housing lances
- Mountable on panels of various thickness without using tools.
- The contacts are individually and totally surrounded by housing walls.

---

**JFA connector J2000 Series** (W to W)

2.5mm pitch

- **Type**
  - Crimp style
- **Current rating**
  - MAX 4.3A (6 circuits/AWG#20)
- **Voltage rating**
  - 250V

2.5mm pitch connector for miniaturization of electronic equipment. Center locking or side locking options can be used depending on the required application. Receptacle contacts are designed to be common with all JFA connector J2000 series.
### RCY connector

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>MAX 3A</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>MAX250V</td>
</tr>
</tbody>
</table>

The RCY connector is a compact, 2.5mm pitch wire-to-wire connector for use with a variety of circuits, from signal circuits to power supply circuits, in electrical equipment which is becoming more and more compact. The employment of a free spring contact method ensures stable contact performance, and superb working efficiency of insertion and removal.

### SM connector

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>MAX 3A</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>MAX250V</td>
</tr>
</tbody>
</table>

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

### THR connector

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Matable with HR receptacle</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>Insulation displacement HR/MAX 2A</td>
</tr>
<tr>
<td>Crimp style HR/MAX 3A</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>MAX250V</td>
</tr>
</tbody>
</table>

Matable with HR sockets
*Both crimp style and insulation displacement HR connector sockets can be accommodated by the THR connector.
*Secure lock mechanism
*Mountable on panels of various thickness without using tools.

### XA connector (W to W)

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With secure locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>MAX 3A (AWG#20)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>MAX250V</td>
</tr>
</tbody>
</table>

2.5mm pitch wire-to-wire connector that can mate with the socket of XA connector (board-to-wire type). Reliable secondary retainer is available. Panel mount is applicable.

### XAD connector (W to W)

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, Double-row, With secure locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>3A (AWG#20)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>250V</td>
</tr>
</tbody>
</table>

This is dual-row panel mountable wire-to-wire connector for the XAD connector for printed circuit board (wire side).

### XAG connector (W to W)

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- With secure locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>3A (AWG#20)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>250V</td>
</tr>
</tbody>
</table>

This is a 2.5mm pitch, crimp style, wire-to-wire connector.
### XM connector (W to W)

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With inner type secure locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>3A</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>250V</td>
</tr>
</tbody>
</table>

*The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.*

*Secondary retainers provide added protection against non-insertion or disconnection.*

*Housing lances*  
*Mountable on panels of various thickness without using tools.*

### XMA connector

<table>
<thead>
<tr>
<th>2.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>3A (AWG#22)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>250V</td>
</tr>
</tbody>
</table>

This connector is a 2.5mm pitch wire-to-wire 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.

### HIL connector

<table>
<thead>
<tr>
<th>3.3mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, With inertia force mechanism with secure locking device</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>5A (2 circuits/AWG#18)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>300V</td>
</tr>
</tbody>
</table>

This HIL connector is 3.3mm pitch wire-to-wire connector that has a mechanism to prevent an incomplete mating when mating connector.

### BHS connector (W to W)

<table>
<thead>
<tr>
<th>3.5mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- For LCD back light lamps, Compact type</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>1.0A</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>1400V</td>
</tr>
</tbody>
</table>

Wire-to-wire vertion connectors, designed for connecting liquid crystal display back light lamp to their starters.

### JFA connector J300 series (W to W 3.81mm pitch)

<table>
<thead>
<tr>
<th>3.81mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>15A (Single circuit/AWG#14)</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>250V</td>
</tr>
</tbody>
</table>

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.  
*Double-spring construction*  
*To achieve superior contact reliability the socket contact*

### BL connector

<table>
<thead>
<tr>
<th>3.96mm pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&lt; Type &gt;</strong></td>
</tr>
<tr>
<td>- Crimp style, For short-circuit connection</td>
</tr>
<tr>
<td><strong>&lt; Current rating &gt;</strong></td>
</tr>
<tr>
<td>MAX 7A/line</td>
</tr>
<tr>
<td><strong>&lt; Voltage rating &gt;</strong></td>
</tr>
<tr>
<td>MAX300V</td>
</tr>
</tbody>
</table>

The contacts for short-circuit connection are to be mounted in the housing  
*Housing lances*  
*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.*
HL connector (W to W)

3.96mm pitch

- Type
  - Crimp style, With inner type secure locking device
- Current rating
  - MAX 7A
- Voltage rating
  - MAX300V

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
*The panel lock is designed to prevent tangling with wires and accidental breakage because of handling.

SL connector

3.96mm pitch

- Type
  - Crimp style, With inner type secure locking device
- Current rating
  - MAX 7A
- Voltage rating
  - MAX300V

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

BHM connector (4.0mm pitch, W to W)

4mm pitch

- Type
  - For LCD back light lamps
- Current rating
  - 1.0A
- Voltage rating
  - 600V

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

JWPS connector (W to W)

4mm pitch

- Type
  - Crimp style, Waterproof connector
- 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-wire connector that is grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529).

EL connector

4.5mm pitch

- Type
  - Crimp style, With locking device
- Current rating
  - MAX 10A
- Voltage rating
  - MAX300V

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 distorted.

YL connector

4.5mm pitch

- Type
  - Crimp style, With inner type secure locking device
- 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
**YLN connector**

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5mm</td>
<td>Crimp style, With inertia force mechanism with secure locking device</td>
<td>10A (7A when retainers are mounted)</td>
<td>300V</td>
</tr>
</tbody>
</table>

The YLN connector adds variation in shape to the existing color variations of the YL connector in order to improve identification of connectors. Moreover, 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 connector** *(W to W)*

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm</td>
<td>Crimp style, Waterproof connector</td>
<td>7A (AWG#18)</td>
<td>300V</td>
</tr>
</tbody>
</table>

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

**XL connector** *(W to W)*

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm</td>
<td>Crimp style, With locking device</td>
<td>MAX 10A</td>
<td>MAX300V</td>
</tr>
</tbody>
</table>

*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 connector**

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5mm</td>
<td>Crimp style, With locking device</td>
<td>MAX 10A</td>
<td>MAX300V</td>
</tr>
</tbody>
</table>

*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. *Housing lances *Secondary retainers *Mountable on panels of various thickness without using tools

**JFA connector J300 series** *(W to W 5.08mm pitch)*

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.08mm</td>
<td>Crimp style</td>
<td>15A (Single circuit/AWG#14)</td>
<td>600V</td>
</tr>
</tbody>
</table>

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. *Double-spring construction To achieve superior contact reliability the socket contact

**BHT connector** *(W to W)*

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Type</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1mm</td>
<td>For LCD back light lamps</td>
<td>1.0A</td>
<td>1500V</td>
</tr>
</tbody>
</table>

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 wire-to-wire connection or board-to-wire connection. *Pin contact is interchangeable with that of wire-to-wire type BHS connectors.
JFA connector J300 series (W to W 5.4mm 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 connector (HIGH CURRENT TYPE) (W to W)

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

This VL connector is 6.2 mm pitch wire-to-wire and wire-to-board 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.

VL connector (W to W)

- **Type**: Crimp style, With inner type secure locking device
- **Current rating**: MAX 20A
- **Voltage rating**: MAX 600V

This VL connector is 6.2 mm pitch wire-to-wire and wire-to-board 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.

MWP connector

- **Type**: Crimp style, Waterproof connector
- **Current rating**: MAX 7A
- **Voltage rating**: MAX 300V

*The low insertion force contacts reduce surface finish wear and reduce the effects of stress relaxation.*

*Housing lances*  
*The inner-housing lock secures the plug to the receptacle and prevents accidental disconnection.*

BHM connector (8.0mm pitch, W to W)

- **Type**: For LCD back light lamps
- **Current rating**: 1.0A
- **Voltage rating**: 600V

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

JFA connector J5000 series (W to W)

- **Type**: Crimp style
- **Current rating**: 50A (Single circuit/AWG#8)
- **Voltage rating**: 600V

One touch mating and unmating connector corresponding to high current. Modular type is also available.
### FAH connector

<table>
<thead>
<tr>
<th>16mm pitch</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current rating</strong></td>
<td>50A (AWG#8)</td>
</tr>
<tr>
<td><strong>Voltage rating</strong></td>
<td>600V</td>
</tr>
</tbody>
</table>

One-touch connection and disconnection connector corresponding to high current. This is a wire to wire 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 connector (Screw Lock Type)

<table>
<thead>
<tr>
<th>16mm pitch</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current rating</strong></td>
<td>90A (AWG#4)</td>
</tr>
<tr>
<td><strong>Voltage rating</strong></td>
<td>600V</td>
</tr>
</tbody>
</table>

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.

### CL connector

- **Type**
  - IDC style, Branch/Short-circuit connection
- **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.

### DAC connector

- **Type**
  - I/O connector, 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 connector

- **Type**
  - I/O connector, Hybrid connector
- **Current rating**
  - Signal circuit/1.0A(AWG#27, #26)
  - Power supply circuit/5A(AWG#20)
- **Voltage rating**
  - Signal circuit/50V
  - Power supply circuit/300V

This OTZ connector ia 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 connector (W to W)

- **Type**
  - I/O connector, 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 connector**

*Type*
- Drawer connector,
  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 connector**

*Type*
- Drawer connector,
  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.

**RIZ connector**

*Type*
- Drawer connector,
  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, this RIZ connector is 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 connector L-Type**

*Type*
- Drawer connector,
  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

This connector is a hybrid type single-row drawer connector combined signal and 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 connector**

*Type*
- For rack & panel, Compact type

*Current rating*
- 2A (AWG#24)

*Voltage rating*
- 250V

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

**RPZ connector**

*Type*
- I/O connector, 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 connector**

- **Type**: I/O connector, 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 connector**

- **Type**: Drawer connector, 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

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.

**RWZ connector (L-type)**

- **Type**: Drawer connector, 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 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 connector (Power supply system structure reinforced type)**

- **Type**: Space saving
- **Current rating**: 15A (6-circuit 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.

**TBX connector**

- **Type**: Crimp style, For short-circuit connection, Spring type
- **Current rating**: 50A
- **Voltage rating**: 600V

**TSD connector**

- **Type**: I/O connector, 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 connector

< Type >
- Crimp style, Waterproof connector

< 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).