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

- Waterproof performance [Grade 7 ingress protection of JIS C 0920 (IEC 60529 IPX7)]
- Control key system
- Contacting part of contact is hardly deformed
- Inner locking system
- Compact design

Specifications

- Current rating: 7A AC, DC (AWG #18)
- Voltage rating: 300V AC, DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max. After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: Conductor size/AWG #22 to #18
  Insulation O.D./2.32 to 2.83mm
  1.52 to 2.03mm
- Waterproof grade: Grade 7 ingress protection of JIS C 0920 (IEC 60529 IPX7)
- Compliant with RoHS.
- Refer to “General Instruction and Notice when using Terminals and Connectors” at the end of this catalog.
- Contact JST for details.

Standards

- Recognized E60389
- Certified LR20812
- File No.R50073100

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

Material and Finish
Copper alloy, tin-plated (reflow treatment)

RoHS compliance
Note: *Marked product is not CSA/TUV approved.

Contact

Circuits Model No. A B Qty / bag
2 WPJ0-02V-1-S — 12.1 1,000
3 WPJ0-03V-1-S 10.0 17.1 1,000

RoHS compliance
Glass-filled PBT, UL94V-0, natural (white)

Housing

Receptacle housing

Circuits Model No. A B Qty / bag
2 WPJ0-02V-1-S — 14.2 400
3 WPJ0-03V-1-S 10.0 19.2 300

RoHS compliance
This product displays (LF)(SN) on a label.

Header

Material and Finish
Wafer: Glass-filled PBT, UL94V-0
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance
For availability, delivery and minimum order quantity, contact JST.
## WPJ CONNECTOR
(Waterproof type)

### Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D. (mm)</th>
<th>Qty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWPJR-21T-M0.5</td>
<td>0.33—0.83</td>
<td>2.32—2.83</td>
<td>4,500</td>
</tr>
</tbody>
</table>

**Material and Finish**
- Copper alloy, tin-plated (reflow treatment)

**RoHS compliance**
- Copper alloy, tin-plated (reflow treatment)

<table>
<thead>
<tr>
<th>Contact Crimping machine</th>
<th>Applicator Crimp applicator Dies Crimp applicator with dies</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWPJR-21T-M0.5 AP-K2N</td>
<td>MKS-L MK-SWPJR/T-21-05 APLMK SWPJR/T21 05</td>
</tr>
</tbody>
</table>

### Housing

**Material**
- Receptacle housing: Glass-filled PBT, UL94V-0, natural (white)
- Seal ring: Silicon, green
- Seal rubber plate: Silicon, green

**RoHS compliance**
- For reference: Polarizing key pattern
- Key pattern No.1 (Color: Natural): 02R-WPJV-1-SMM
- Key pattern No.2 (Color: Red): 02R-WPJV-2-RMM
- Key pattern No.3 (Color: Blue): 02R-WPJV-3-EMM

For availability, delivery and minimum order quantity, contact JST.

### Receptacle housing assembly

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>Qty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>02R-WPJV-1-SMM</td>
<td>12.1</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>03R-WPJV-1-SMM</td>
<td>17.1</td>
<td>192</td>
<td></td>
</tr>
</tbody>
</table>

### Header

**Material and Finish**
- Water: Glass-filled PBT, UL94V-0
- Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance**
- This product displays (LF)(SN) on a label.

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>Qty / bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>B02B-WPJSS-1</td>
<td>14.2</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>B03B-WPJSS-1</td>
<td>19.2</td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

For availability, delivery and minimum order quantity, contact JST.