Based upon wire-to-board crimp style PA connectors, the PA series family of connector have been expanded to meet the requirement of complex wire harness of 2.0mm pitch connectors with secure locking mechanism thanks to the additional line up of wire-to-board IDC style PAF connectors and wire-to-wire crimp style PAL connectors.

- Secure locking device
- Interchangeable between crimp and IDC socket
- Secondary retainers
- Harness variation

**PA connector (Standard type, Retainer mountable type)**

- Highly reliable contact
- Insertion guide mechanism
- Flanged press pin

**PAF connector**

- The industry’s first secure lock ID connectors
- Metallic strain relief
- Retainer with four locking points

**PAL connector**

- The industry’s first wire to wire 2.0mm pitch retainer mountable type connector.
- Either with or without panel lock can be selected according to application.

### Standards

- Recognized E60389
- Certified LR20812

### Specifications

#### PA Connector (Standard type)

- **Current rating**: 3A AC, DC (AWG #22)
- **Voltage rating**: 250V 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**: Initial/ 1,000M Ω min.
- **Withstanding voltage**: 800V AC/minute
- **Applicable wire**: AWG #28 to #22
- **Applicable PC board thickness**: 1.6mm

#### PA Connector (Retainer mountable type)

- **Current rating**: 3A AC, DC (AWG #22)
- **Voltage rating**: 100V AC, DC
- **Temperature range**: -25°C to +85°C (including temperature rise in applying electrical current)
- **Contact resistance**: Initial value/ 15m Ω max.
  - After environmental testing/ 25m Ω max.
- **Insulation resistance**: Initial/ 1,000M Ω min.
- **Withstanding voltage**: 800V AC/minute
- **Applicable wire**: AWG #28 to #22

#### PAF Connector

- **Current rating**: 1.0A AC, DC (AWG #26)
- **Voltage rating**: 100V AC, DC
- **Temperature range**: -25°C to +85°C (including temperature rise in applying electrical current)
- **Contact resistance**: Initial value/ 15m Ω max.
  - After environmental testing/ 25m Ω max.
- **Insulation resistance**: Initial/ 1,000M Ω min.
- **Withstanding voltage**: 800V AC/minute
- **Applicable wire**: UL1061
  - Contact JST for details regarding other UL wires.
  - AWG #26
  - Conductor/ 7 strands, tin-coated annealed copper
  - Insulation O.D./ 0.9 to 1.0mm

#### PAL Connector

- **Current rating**: 3A AC, DC (AWG #22)
- **Voltage rating**: 100V AC, DC
- **Temperature range**: -25°C to +85°C (including temperature rise in applying electrical current)
- **Contact resistance**: Initial value/ 15m Ω max.
  - After environmental testing/ 25m Ω max.
- **Insulation resistance**: Initial/ 1,000M Ω min.
- **Withstanding voltage**: 800V AC/minute
- **Applicable wire**: AWG #28 to #22
- **Applicable panel thickness**: 0.5 to 2.0mm

* Compliant with RoHS.
* Refer to “General Instruction and Notice when using Terminals and Connectors” at the end of this catalog.
* Contact JST for details.
List of combinations

Crimp style
Standard type
Contact
SPHD-001T-P0.5
SPHD-002T-P0.5
Housing
PAP-( )V-S

Crimp style
Retainer mountable type
Contact
SPA-001T-P0.5
Housing
PARP-( )V
Retainer
PMS-( )V-S

Insulation displacement type
Receptacle
( )PAF-6S
Retainer
PAFS-( )V-S

Shrouded header
BM( )B-PASS
BM( )B-PASS-1
SM( )B-PASS
SM( )B-PASS-1

Top entry type
Side entry type
Bottom type
High box type
SMT type
Top entry type
Side entry type
Wire to wire Connectors
PA FAMILY SERIES /PA•PAF•PAL CONNECTOR

Through-hole type
Top entry type

Side entry type

Bottom type
Note: C and D dimensions; Refer to the header bottom type.

High box type

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.05mm for all centers.
3. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.
SMT type

Top entry type

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ±0.05mm for all centers.
3. The dimensions above should serve as a guideline. Contact JST for details.

Side entry type

Wire-to-wire

PA FAMILY SERIES /PA•PAF•PAL CONNECTOR
PA FAMILY SERIES /PA CONNECTOR (Crimp style Standard type)

Contact

![Contact Diagram]

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire (mm²)</th>
<th>Insulation O.D. (mm)</th>
<th>Qty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPHD-001T-P0.5</td>
<td>0.13—0.33</td>
<td>26—22</td>
<td>8,000</td>
</tr>
<tr>
<td>SPHD-002T-P0.5</td>
<td>0.08—0.21</td>
<td>28—24</td>
<td>8,000</td>
</tr>
</tbody>
</table>

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Contact Crimping machine Applicator

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Crimp applicator</th>
<th>Dies</th>
<th>Crimp applicator with dies</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPHD-002T-P0.5</td>
<td>MKS-L-10</td>
<td>MK/SHPD 002-05</td>
<td>APLMK SPHD02-05</td>
</tr>
<tr>
<td>SPHD-001T-P0.5</td>
<td>*MKS-SC-10</td>
<td>SC/SHPD 002-05</td>
<td>APLSC SPHD02-05</td>
</tr>
</tbody>
</table>

Note: *Strip-crimp applicator

Housing

Circuits Model No. Dimensions (mm) Qty / bag

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>PAP-02V-S</td>
<td>2.0</td>
<td>6.0</td>
</tr>
<tr>
<td>3</td>
<td>PAP-03V-S</td>
<td>4.0</td>
<td>8.0</td>
</tr>
<tr>
<td>4</td>
<td>PAP-04V-S</td>
<td>6.0</td>
<td>10.0</td>
</tr>
<tr>
<td>5</td>
<td>PAP-05V-S</td>
<td>8.0</td>
<td>12.0</td>
</tr>
<tr>
<td>6</td>
<td>PAP-06V-S</td>
<td>10.0</td>
<td>14.0</td>
</tr>
<tr>
<td>7</td>
<td>PAP-07V-S</td>
<td>12.0</td>
<td>16.0</td>
</tr>
<tr>
<td>8</td>
<td>PAP-08V-S</td>
<td>14.0</td>
<td>18.0</td>
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<tr>
<td>9</td>
<td>PAP-09V-S</td>
<td>16.0</td>
<td>20.0</td>
</tr>
<tr>
<td>10</td>
<td>PAP-10V-S</td>
<td>18.0</td>
<td>22.0</td>
</tr>
<tr>
<td>11</td>
<td>PAP-11V-S</td>
<td>20.0</td>
<td>24.0</td>
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<tr>
<td>12</td>
<td>PAP-12V-S</td>
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<td>13</td>
<td>PAP-13V-S</td>
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<tr>
<td>14</td>
<td>PAP-14V-S</td>
<td>26.0</td>
<td>30.0</td>
</tr>
<tr>
<td>15</td>
<td>PAP-15V-S</td>
<td>28.0</td>
<td>32.0</td>
</tr>
<tr>
<td>16</td>
<td>PAP-16V-S</td>
<td>30.0</td>
<td>34.0</td>
</tr>
</tbody>
</table>

Material
PA 66, UL94V-0, natural (white)

RoHS compliance

<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. PAP-02V-S: S...natural (white)
K...black R...red E...blue M...green O...orange N...brown P...purple PK...pink Y...yellow L...lemon yellow FY...vivid yellow LE...light blue H...gray TR...tomato red
**PA FAMILY SERIES**

**Through-hole type shrouded header**

### Top entry type

(2 to 9 circuits)

- **Model No.**
  - Without a boss: B02B-PASYK-A
  - With a boss: B02B-PASYK-1A
  - 2 (Note 1)

- **Circuits**
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16

- **Dimensions (mm)**
  - A: 2.0
  - B: 6.0
  - Qty / box: 1,000

### Side entry type

(2 to 9 circuits)

- **Model No.**
  - S02B-PASK-2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16

- **Circuits**
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16

- **Dimensions (mm)**
  - A: 2.0
  - B: 6.0
  - Qty / box: 1,000

### Table:

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Without a boss</th>
<th>With a boss</th>
<th>Dimensions (mm)</th>
<th>Qty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 (Note 1)</td>
<td>B02B-PASYK-A</td>
<td>B02B-PASYK-1A</td>
<td>2.0, 6.0</td>
<td>1,000</td>
</tr>
<tr>
<td>2</td>
<td>B02B-PASK</td>
<td>B02B-PASK-1</td>
<td>2.0, 6.0</td>
<td>1,000</td>
</tr>
<tr>
<td>3</td>
<td>B03B-PASK</td>
<td>B03B-PASK-1</td>
<td>4.0, 8.0</td>
<td>1,000</td>
</tr>
<tr>
<td>4</td>
<td>B04B-PASK</td>
<td>B04B-PASK-1</td>
<td>6.0, 10.0</td>
<td>1,000</td>
</tr>
<tr>
<td>5</td>
<td>B05B-PASK</td>
<td>B05B-PASK-1</td>
<td>8.0, 12.0</td>
<td>500</td>
</tr>
<tr>
<td>6</td>
<td>B06B-PASK</td>
<td>B06B-PASK-1</td>
<td>10.0, 14.0</td>
<td>500</td>
</tr>
<tr>
<td>7</td>
<td>B07B-PASK</td>
<td>B07B-PASK-1</td>
<td>12.0, 16.0</td>
<td>500</td>
</tr>
<tr>
<td>8</td>
<td>B08B-PASK</td>
<td>B08B-PASK-1</td>
<td>14.0, 18.0</td>
<td>500</td>
</tr>
<tr>
<td>9</td>
<td>B09B-PASK</td>
<td>B09B-PASK-1</td>
<td>16.0, 20.0</td>
<td>500</td>
</tr>
<tr>
<td>10</td>
<td>B10B-PASK</td>
<td>B10B-PASK-1</td>
<td>18.0, 22.0</td>
<td>500</td>
</tr>
<tr>
<td>11</td>
<td>B11B-PASK</td>
<td>B11B-PASK-1</td>
<td>20.0, 24.0</td>
<td>250</td>
</tr>
<tr>
<td>12</td>
<td>B12B-PASK</td>
<td>B12B-PASK-1</td>
<td>22.0, 26.0</td>
<td>250</td>
</tr>
<tr>
<td>13</td>
<td>B13B-PASK</td>
<td>B13B-PASK-1</td>
<td>24.0, 28.0</td>
<td>250</td>
</tr>
<tr>
<td>14</td>
<td>B14B-PASK</td>
<td>B14B-PASK-1</td>
<td>26.0, 30.0</td>
<td>250</td>
</tr>
<tr>
<td>15</td>
<td>B15B-PASK</td>
<td>B15B-PASK-1</td>
<td>28.0, 32.0</td>
<td>250</td>
</tr>
<tr>
<td>16</td>
<td>B16B-PASK</td>
<td>B16B-PASK-1</td>
<td>30.0, 34.0</td>
<td>250</td>
</tr>
</tbody>
</table>

### Material and Finish

- **Post:** Copper alloy, copper undercoated, tin-plated (reflow treatment)
- **Washer:** Glass filled PBT, UL94V-0, natural (white)

**RoHS compliance**

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

<For reference> As the color identification, the following alphabet shall be put in the underlined part.

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

ex. B02B-PASYK-A

- S...natural (white)
- K...black
- R...red
- E...blue
- M...green
- O...orange
- N...brown
- P...purple
- PK...pink
- Y...yellow
- L...lemon yellow
- LE...light blue
- H...gray
- TR...tomato red

**Side entry type**

(10 to 15 circuits)

- **Model No.**
  - S02B-PASK-2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16

- **Circuits**
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16

- **Dimensions (mm)**
  - A: 2.0
  - B: 6.0
  - Qty / box: 1,000

### Table:

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>S02B-PASK-2</td>
<td>2.0, 6.0</td>
<td>1,000</td>
</tr>
<tr>
<td>3</td>
<td>S03B-PASK-2</td>
<td>4.0, 8.0</td>
<td>1,000</td>
</tr>
<tr>
<td>4</td>
<td>S04B-PASK-2</td>
<td>6.0, 10.0</td>
<td>500</td>
</tr>
<tr>
<td>5</td>
<td>S05B-PASK-2</td>
<td>8.0, 12.0</td>
<td>500</td>
</tr>
<tr>
<td>6</td>
<td>S06B-PASK-2</td>
<td>10.0, 14.0</td>
<td>500</td>
</tr>
<tr>
<td>7</td>
<td>S07B-PASK-2</td>
<td>12.0, 16.0</td>
<td>250</td>
</tr>
<tr>
<td>8</td>
<td>S08B-PASK-2</td>
<td>14.0, 18.0</td>
<td>250</td>
</tr>
<tr>
<td>9</td>
<td>S09B-PASK-2</td>
<td>16.0, 20.0</td>
<td>250</td>
</tr>
<tr>
<td>10</td>
<td>S10B-PASK-2</td>
<td>18.0, 22.0</td>
<td>250</td>
</tr>
<tr>
<td>11</td>
<td>S11B-PASK-2</td>
<td>20.0, 24.0</td>
<td>250</td>
</tr>
<tr>
<td>12</td>
<td>S12B-PASK-2</td>
<td>22.0, 26.0</td>
<td>250</td>
</tr>
<tr>
<td>13</td>
<td>S13B-PASK-2</td>
<td>24.0, 28.0</td>
<td>250</td>
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<tr>
<td>14</td>
<td>S14B-PASK-2</td>
<td>26.0, 30.0</td>
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<td>15</td>
<td>S15B-PASK-2</td>
<td>28.0, 32.0</td>
<td>250</td>
</tr>
<tr>
<td>16</td>
<td>S16B-PASK-2</td>
<td>30.0, 34.0</td>
<td>250</td>
</tr>
</tbody>
</table>

### Material and Finish

- **Post:** Copper alloy, copper undercoated, tin-plated (reflow treatment)
- **Washer:** Glass filled PBT, UL94V-0, natural (white)

**RoHS compliance**

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

<For reference> As the color identification, the following alphabet shall be put in the underlined part.

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

ex. S02B-PASK-2

- S...natural (white)
- K...black
- R...red
- E...blue
- M...green
- O...orange
- N...brown
- P...purple
- PK...pink
- Y...yellow
- L...lemon yellow
- LE...light blue
- H...gray
- TR...tomato red

**Downloaded from Arrow.com.**
Through-hole type shrouded header

Bottom type

(5, 8 circuits)

(11, 12 circuits)

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Qty / bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>BE05B-PASK</td>
<td>A: 8.0, B: 12.0, C: 12.4, D: 5.5</td>
<td>300</td>
</tr>
<tr>
<td>8</td>
<td>BE08B-PASK</td>
<td>A: 14.0, B: 18.0, C: 18.4, D: 5.5</td>
<td>200</td>
</tr>
<tr>
<td>11</td>
<td>BE11B-PASK</td>
<td>A: 20.0, B: 24.0, C: 24.4, D: 12.0</td>
<td>150</td>
</tr>
<tr>
<td>12</td>
<td>BE12B-PASK</td>
<td>A: 22.0, B: 26.0, C: 26.4, D: 12.0</td>
<td>150</td>
</tr>
</tbody>
</table>

Material and Finish

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

RoHS compliance: This product displays (LF)(SN) on a label.
Note: C and D dimensions: Refer to the PCB layout bottom type (P3).
### Shrouded header <High box type>

#### (2 circuits)

![Diagram of 2 circuits]

Circuit No. 1

#### (3 circuits)

![Diagram of 3 circuits]

Circuit No. 1

#### (4 circuits)

![Diagram of 4 circuits]

Circuit No. 1

#### (5, 6 circuits)

![Diagram of 5, 6 circuits]

Circuit No. 1

#### (7 to 9 circuits)

![Diagram of 7 to 9 circuits]

Circuit No. 1

#### (10 to 12, 15 circuits)

![Diagram of 10 to 12, 15 circuits]

Circuit No. 1

---

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Model No.</th>
<th>Dimensions(mm)</th>
<th>Qty / box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Without a boss</td>
<td>With a boss</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>BH02B-PASK</td>
<td>BH02B-PASK-1</td>
<td>2.0</td>
</tr>
<tr>
<td>3</td>
<td>BH03B-PASK</td>
<td>BH03B-PASK-1</td>
<td>4.0</td>
</tr>
<tr>
<td>4</td>
<td>BH04B-PASK</td>
<td>BH04B-PASK-1</td>
<td>6.0</td>
</tr>
<tr>
<td>5</td>
<td>BH05B-PASK</td>
<td>BH05B-PASK-1</td>
<td>8.0</td>
</tr>
<tr>
<td>6</td>
<td>BH06B-PASK</td>
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<tr>
<td>7</td>
<td>BH07B-PASK</td>
<td>BH07B-PASK-1</td>
<td>12.0</td>
</tr>
<tr>
<td>8</td>
<td>BH08B-PASK</td>
<td>BH08B-PASK-1</td>
<td>14.0</td>
</tr>
<tr>
<td>9</td>
<td>BH09B-PASK</td>
<td>BH09B-PASK-1</td>
<td>16.0</td>
</tr>
<tr>
<td>10</td>
<td>BH10B-PASK</td>
<td>BH10B-PASK-1</td>
<td>18.0</td>
</tr>
<tr>
<td>11</td>
<td>BH11B-PASK</td>
<td>BH11B-PASK-1</td>
<td>20.0</td>
</tr>
<tr>
<td>12</td>
<td>BH12B-PASK</td>
<td>BH12B-PASK-1</td>
<td>22.0</td>
</tr>
<tr>
<td>15</td>
<td>BH15B-PASK</td>
<td>BH15B-PASK-1</td>
<td>28.0</td>
</tr>
</tbody>
</table>

---

**Material and Finish**

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

**RoHS compliance** This product displays (LF)(SN) on a label.
## Top entry type
(2 to 3 circuits)

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Without a boss</th>
<th>With a boss</th>
<th>Dimensions (mm)</th>
<th>Q’ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BM02B-PASS(*)</td>
<td>BM02B-PASS-1(*)</td>
<td>2.0</td>
<td>8.0</td>
</tr>
<tr>
<td>3</td>
<td>BM03B-PASS(*)</td>
<td>BM03B-PASS-1(*)</td>
<td>4.0</td>
<td>10.0</td>
</tr>
<tr>
<td>4</td>
<td>BM04B-PASS(*)</td>
<td>BM04B-PASS-1(*)</td>
<td>6.0</td>
<td>12.0</td>
</tr>
<tr>
<td>5</td>
<td>BM05B-PASS(*)</td>
<td>BM05B-PASS-1(*)</td>
<td>8.0</td>
<td>14.0</td>
</tr>
<tr>
<td>6</td>
<td>BM06B-PASS(*)</td>
<td>BM06B-PASS-1(*)</td>
<td>10.0</td>
<td>16.0</td>
</tr>
<tr>
<td>7</td>
<td>BM07B-PASS(*)</td>
<td>BM07B-PASS-1(*)</td>
<td>12.0</td>
<td>18.0</td>
</tr>
<tr>
<td>8</td>
<td>BM08B-PASS(*)</td>
<td>BM08B-PASS-1(*)</td>
<td>14.0</td>
<td>20.0</td>
</tr>
<tr>
<td>9</td>
<td>BM09B-PASS(*)</td>
<td>BM09B-PASS-1(*)</td>
<td>16.0</td>
<td>22.0</td>
</tr>
<tr>
<td>10</td>
<td>BM10B-PASS(*)</td>
<td>BM10B-PASS-1(*)</td>
<td>18.0</td>
<td>24.0</td>
</tr>
<tr>
<td>11</td>
<td>BM11B-PASS(*)</td>
<td>BM11B-PASS-1(*)</td>
<td>20.0</td>
<td>26.0</td>
</tr>
<tr>
<td>12</td>
<td>BM12B-PASS(*)</td>
<td>BM12B-PASS-1(*)</td>
<td>22.0</td>
<td>28.0</td>
</tr>
<tr>
<td>13</td>
<td>BM13B-PASS(*)</td>
<td>BM13B-PASS-1(*)</td>
<td>24.0</td>
<td>30.0</td>
</tr>
<tr>
<td>15</td>
<td>BM15B-PASS(*)</td>
<td>BM15B-PASS-1(*)</td>
<td>28.0</td>
<td>34.0</td>
</tr>
</tbody>
</table>

**Material and Finish**

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Water: PA, UL94V-0, natural (ivory)
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

---

## Side entry type
(2 to 3 circuits)

<table>
<thead>
<tr>
<th>Circuits</th>
<th>Without a boss</th>
<th>With a boss</th>
<th>Dimensions (mm)</th>
<th>Q’ty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>SM02B-PASS(*)</td>
<td>SM02B-PASS-1(*)</td>
<td>2.0</td>
<td>8.0</td>
</tr>
<tr>
<td>3</td>
<td>SM03B-PASS(*)</td>
<td>SM03B-PASS-1(*)</td>
<td>4.0</td>
<td>10.0</td>
</tr>
<tr>
<td>4</td>
<td>SM04B-PASS(*)</td>
<td>SM04B-PASS-1(*)</td>
<td>6.0</td>
<td>12.0</td>
</tr>
<tr>
<td>5</td>
<td>SM05B-PASS(*)</td>
<td>SM05B-PASS-1(*)</td>
<td>8.0</td>
<td>14.0</td>
</tr>
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<td>SM06B-PASS(*)</td>
<td>SM06B-PASS-1(*)</td>
<td>10.0</td>
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<td>SM07B-PASS(*)</td>
<td>SM07B-PASS-1(*)</td>
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</tr>
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<td>8</td>
<td>SM08B-PASS(*)</td>
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**Material and Finish**

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Water: PA, UL94V-0, natural (ivory)
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

---

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

Note: (*) TF…taping product
TFT…taping product with suction tape.
### Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire</th>
<th>Insulation O.D.</th>
<th>Qty / reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA-001T-P0.5</td>
<td>0.13~0.33</td>
<td>0.9~1.5</td>
<td>10,000</td>
</tr>
</tbody>
</table>

### Material and Finish

- Phosphor bronze, tin-plated (reflow treatment)

### RoHS compliance

<table>
<thead>
<tr>
<th>Contact</th>
<th>Crimping machine</th>
<th>Applicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA-001T-P0.5</td>
<td>AP-K2N</td>
<td>MKS-L</td>
</tr>
<tr>
<td></td>
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<td>MK-SPA-001-05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APLMK SPA001-05</td>
</tr>
</tbody>
</table>

### Housing

- **(2 circuits)**
- **(4 circuits)**
- **(3 circuits)**
- **(5 circuits)**
- **(6 to 9 circuits)**
- **(10, 15 circuits)**

### Retainer

- **(2 to 5 circuits)**
- **(6 to 15 circuits)**

### RoHS compliance

<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

ex. PARP-02V-blk (blank)…natural (white)
R…red E…blue Y…yellow M…green

### Material

- PA 66, UL94V-0, natural (white)

RoHS compliance

Glass-filled PA 66, UL94V-0, natural (ivory)
PA FAMILY SERIES /PAF CONNECTOR (Insulation displacement type)

Receptacle

Material and Finish
Contact: Phosphor bronze, tin-plated (reflow treatment)
Housing: PA 66, UL94V-0, natural (white)

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

For availability, delivery and minimum order quantity, contact JST.
ex. 02PAF-6S
S…natural (white)
R…red  E…blue  M…green Y…yellow

Retainer

Material
Glass-filled PA 66, UL94V-0, natural (ivory)

RoHS compliance
Note: *Marked products are not UL/CSA approved.
PA FAMILY SERIES /PAL CONNECTOR (Wire-to-wire type)

Contact

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Retainer
Retainers are interchangeable with those of the PA crimp style retainer mountable type.