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 2.0 mm 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 2.0 mm pitch retainer mountable type connector.
- Either with or without panel lock can be selected according to application.

Standards
Recognized E60389

Specifications

PA Connector (Standard type)
- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max. After environmental tests/ 20 mΩ max.
- Insulation resistance: Initial/ 1,000 MΩ min.
- Withstanding voltage: 800 VAC/minute
- Applicable wire: Conductor size/ AWG #28 to #22 Insulation O.D./ 0.76 to 1.5 mm
- Applicable PC board thickness: 1.6 mm

PA Connector (Retainer mountable type)
- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 100 V AC/DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max. After environmental tests/ 25 mΩ max.
- Insulation resistance: Initial/ 1,000 MΩ min.
- Withstanding voltage: 800 V AC/minute
- Applicable wire: AWG #26 to #22

PAF Connector
- Current rating: 1.0 A AC/DC (AWG #26)
- Voltage rating: 100 V AC/DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 15 mΩ max. After environmental tests/ 25 mΩ max.
- Insulation resistance: Initial/ 1,000 MΩ min.
- Withstanding voltage: 800 VAC/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 1.0 mm

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

* In using the products, refer to “Handling Precautions for Terminals and Connectors” described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.
List of combinations

Crimp style
Standard type

Contact
SPHD-001T-P0.5
SPHD-002T-P0.5

Housing
PAP-( )V-S

Retainer
PMS-( )V-S

Crimp style
Retainer mountable type

Contact
SPA-001T-P0.5

Housing
PARP-( )V

Retainer
PMS-( )V-S

Insulation displacement type

Socket
( )PAF-6S

Retainer
PAFS-( )V-S

Contact
SPAL-001T-P0.5
SPAL-002T-P0.5

Receptacle housing
PALR-( )V(F)

Retainer
PMS-( )V-S

Header
B( )B-PASK
B( )B-PASK-1
B( )B-PASK-N
B( )B-PASK-1N
S( )B-PASK-2

Header
BE( )B-PASK
BE( )B-PASK-C

Header
BH( )B-PASK
BH( )B-PASK-1

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 type
PC board layout and Assembly layout

<Through-hole type>

Top entry type

Side entry type

Bottom type

Bottom type with extended length

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

PC board layout and Assembly layout

High box type

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

<Side entry type>

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

<Wire-to-wire>

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

### Model No. Applicable wire Insulation O.D. Q'ty/reel
<table>
<thead>
<tr>
<th>Model No.</th>
<th>mm²</th>
<th>AWG #</th>
<th>(mm)</th>
<th>8,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPHD-001T-P0.5</td>
<td>0.13~0.33</td>
<td>26~22</td>
<td>1.0~1.5</td>
<td>8,000</td>
</tr>
<tr>
<td>SPHD-002T-P0.5</td>
<td>0.08~0.21</td>
<td>28~24</td>
<td>0.76~1.5</td>
<td>8,000</td>
</tr>
</tbody>
</table>

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

### RoHS2 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
- FY...vivid yellow
- LE...light blue
- H...gray
- TR...tomato red

## Housing

### No. of circuits Model No. Dimensions (mm) Q'ty/bag
<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;2 to 9 circuits</td>
<td>PAP-02V-S</td>
<td>2</td>
<td>6.0</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>PAP-03V-S</td>
<td>4</td>
<td>8.0</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>PAP-04V-S</td>
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<td>10.0</td>
<td>1,000</td>
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<tr>
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<td>PAP-05V-S</td>
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<tr>
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<td>PAP-06V-S</td>
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<tr>
<td></td>
<td>PAP-07V-S</td>
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<td>16.0</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>PAP-08V-S</td>
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<td>18.0</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>PAP-09V-S</td>
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<td>PAP-10V-S</td>
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<tr>
<td></td>
<td>PAP-14V-S</td>
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<td>30.0</td>
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</tr>
<tr>
<td></td>
<td>PAP-15V-S</td>
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<td>32.0</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>PAP-16V-S</td>
<td>30</td>
<td>34.0</td>
<td>1,000</td>
</tr>
</tbody>
</table>

### Material and Finish
PA 66, UL94V-0, natural (white)

### RoHS2 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
- FY...vivid yellow
- LE...light blue
- H...gray
- TR...tomato red
Top entry type

<2 to 9 circuits>

Side entry type

<2 to 9 circuits>

<16 circuits>

<10 to 15 circuits>

Material and Finish

Post: Copper alloy, copper-undersheeted, tin-plated (reflow treatment)
Wafer: Glass-filled PBT, UL94V-0, natural (white)
(Note): PA 66, vivid yellow

RoHS2 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. S00B-PASK
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

For availability, delivery and minimum order quantity, contact JST.
### N type

#### <2 to 9 circuits>

![Diagram of N type <2 to 9 circuits>]

#### <10 to 15 circuits>

![Diagram of N type <10 to 15 circuits>]

#### <16 circuits>

![Diagram of N type <16 circuits>]

### Bottom type

#### <5, 8 circuits>

![Diagram of Bottom type <5, 8 circuits>]

#### <11, 12 circuits>

![Diagram of Bottom type <11, 12 circuits>]

#### Bottom type with extended length

![Diagram of Bottom type with extended length]

### Material and Finish

- Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
- Wafer: Glass-filled PA 66, UL94V-0, natural

### RoHS2 compliance

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

### Table: N type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Without boss</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>2</td>
<td>B02B-PASK-N</td>
<td>2.0</td>
<td>6.0</td>
</tr>
<tr>
<td>3</td>
<td>B03B-PASK-N</td>
<td>4.0</td>
<td>8.0</td>
</tr>
<tr>
<td>4</td>
<td>B04B-PASK-N</td>
<td>0.5</td>
<td>2.0</td>
</tr>
<tr>
<td>5</td>
<td>B05B-PASK-N</td>
<td>8.0</td>
<td>12.0</td>
</tr>
<tr>
<td>6</td>
<td>B06B-PASK-N</td>
<td>10.0</td>
<td>14.0</td>
</tr>
<tr>
<td>7</td>
<td>B07B-PASK-N</td>
<td>12.0</td>
<td>16.0</td>
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<tr>
<td>8</td>
<td>B08B-PASK-N</td>
<td>14.0</td>
<td>18.0</td>
</tr>
<tr>
<td>9</td>
<td>B09B-PASK-N</td>
<td>16.0</td>
<td>20.0</td>
</tr>
<tr>
<td>10</td>
<td>B10B-PASK-N</td>
<td>18.0</td>
<td>22.0</td>
</tr>
<tr>
<td>11</td>
<td>B11B-PASK-N</td>
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<td>12</td>
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<tr>
<td>15</td>
<td>B15B-PASK-N</td>
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<td>32.0</td>
</tr>
<tr>
<td>16</td>
<td>B16B-PASK-N</td>
<td>30.0</td>
<td>34.0</td>
</tr>
</tbody>
</table>

### Bottom type

#### <5, 8 circuits>

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/bag</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>5</td>
<td>BE05B-PASK</td>
<td>8.0</td>
<td>12.0</td>
</tr>
<tr>
<td>8</td>
<td>BE08B-PASK</td>
<td>14.0</td>
<td>18.0</td>
</tr>
<tr>
<td>11</td>
<td>BE11B-PASK</td>
<td>20.0</td>
<td>24.0</td>
</tr>
<tr>
<td>12</td>
<td>BE12B-PASK</td>
<td>22.0</td>
<td>26.0</td>
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</tbody>
</table>

### Bottom type with extended length

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q’ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>4</td>
<td>BE04B-PASK-C</td>
<td>6.0</td>
<td>10.0</td>
</tr>
<tr>
<td>5</td>
<td>BE06B-PASK-C</td>
<td>8.0</td>
<td>12.0</td>
</tr>
<tr>
<td>6</td>
<td>BE08B-PASK-C</td>
<td>10.0</td>
<td>14.0</td>
</tr>
</tbody>
</table>

### Material and Finish

- Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
- Wafer: Glass-filled PA 66, UL94V-0, natural

### RoHS2 compliance

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

Note: Dimensions C and D; Refer to the PCB layout bottom type (page 3).
Shrouded header <High box type>

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No. Without a boss</th>
<th>Dimensions (mm)</th>
<th>Q'ty/box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BH02B-PASK</td>
<td>A 2.0, B 6.0</td>
<td>900</td>
</tr>
<tr>
<td>3</td>
<td>BH03B-PASK</td>
<td>A 4.0, B 8.0</td>
<td>675</td>
</tr>
<tr>
<td>4</td>
<td>BH04B-PASK</td>
<td>A 6.0, B 10.0</td>
<td>525</td>
</tr>
<tr>
<td>5</td>
<td>BH05B-PASK</td>
<td>A 8.0, B 12.0</td>
<td>450</td>
</tr>
<tr>
<td>6</td>
<td>BH06B-PASK</td>
<td>A 10.0, B 14.0</td>
<td>375</td>
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<tr>
<td>7</td>
<td>BH07B-PASK</td>
<td>A 12.0, B 16.0</td>
<td>325</td>
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<td>8</td>
<td>BH08B-PASK</td>
<td>A 14.0, B 18.0</td>
<td>300</td>
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<tr>
<td>9</td>
<td>BH09B-PASK</td>
<td>A 16.0, B 20.0</td>
<td>250</td>
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<tr>
<td>10</td>
<td>BH10B-PASK</td>
<td>A 18.0, B 22.0</td>
<td>225</td>
</tr>
<tr>
<td>11</td>
<td>BH11B-PASK</td>
<td>A 20.0, B 24.0</td>
<td>225</td>
</tr>
<tr>
<td>12</td>
<td>BH12B-PASK</td>
<td>A 22.0, B 26.0</td>
<td>200</td>
</tr>
<tr>
<td>13</td>
<td>BH15B-PASK</td>
<td>A 28.0, B 32.0</td>
<td>150</td>
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</tbody>
</table>

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

RoHS2 compliance  This product displays (LF)(SN) on a label.
### SMT type shrouded header

#### Top entry type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q'ty/reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BM02B-PASS-1(*)</td>
<td>2.0 8.0 500</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BM03B-PASS-1(*)</td>
<td>4.0 10.0 500</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BM04B-PASS-1(*)</td>
<td>6.0 12.0 500</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>BM05B-PASS-1(*)</td>
<td>8.0 14.0 500</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>BM06B-PASS-1(*)</td>
<td>10.0 16.0 500</td>
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</tr>
<tr>
<td>7</td>
<td>BM07B-PASS-1(*)</td>
<td>12.0 18.0 500</td>
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<tr>
<td>8</td>
<td>BM08B-PASS-1(*)</td>
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<td>16.0 22.0 500</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>BM10B-PASS-1(*)</td>
<td>18.0 24.0 500</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>BM11B-PASS-1(*)</td>
<td>20.0 26.0 500</td>
<td></td>
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<tr>
<td>12</td>
<td>BM12B-PASS-1(*)</td>
<td>22.0 28.0 500</td>
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<td>13</td>
<td>BM13B-PASS-1(*)</td>
<td>24.0 30.0 500</td>
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<td>15</td>
<td>BM15B-PASS-1(*)</td>
<td>28.0 34.0 500</td>
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#### Side entry type

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q'ty/reel</th>
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</thead>
<tbody>
<tr>
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<td>2.0 8.0 1000</td>
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<tr>
<td>3</td>
<td>SM03B-PASS-1(*)</td>
<td>4.0 10.0 1000</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SM04B-PASS-1(*)</td>
<td>6.0 12.0 1000</td>
<td></td>
</tr>
<tr>
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<td>SM05B-PASS-1(*)</td>
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<td></td>
</tr>
<tr>
<td>6</td>
<td>SM06B-PASS-1(*)</td>
<td>10.0 16.0 1000</td>
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<tr>
<td>7</td>
<td>SM07B-PASS-1(*)</td>
<td>12.0 18.0 1000</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>9</td>
<td>SM09B-PASS-1(*)</td>
<td>16.0 22.0 1000</td>
<td></td>
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<tr>
<td>10</td>
<td>SM10B-PASS-1(*)</td>
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<tr>
<td>12</td>
<td>SM12B-PASS-1(*)</td>
<td>22.0 28.0 1000</td>
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<tr>
<td>13</td>
<td>SM13B-PASS-1(*)</td>
<td>24.0 30.0 1000</td>
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</tr>
<tr>
<td>15</td>
<td>SM15B-PASS-1(*)</td>
<td>28.0 34.0 1000</td>
<td></td>
</tr>
</tbody>
</table>

### RoHS2 compliance

- **Top entry type**: This product displays (LF)(SN) on a label.
- **Side entry type**: This product displays (LF)(SN) on a label.

Note: (*) TF...taping product

TFT...taping product with suction tape.

### Material and Finish

- Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
- Wafer: PA, UL94V-0, natural (ivory)
- Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
**PA FAMILY SERIES / PA CONNECTOR (Crimp style Retainer mountable type)**

### Contact

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire mm²</th>
<th>Insulation O.D. (mm)</th>
<th>Q’ty/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)

### Housing

**RoHS2 compliance**

Contact Crimping machine Crimp applicator Dies Crimp applicator w/ dies

| SPA-001T-P0.5 | AP-K2N | MKS-L | MK/SPA-001-05 | APLMK SPA001-05 |

Note: Contact JST for fully automatic crimping applicator.

### Retainer

**RoHS2 compliance**

Material and Finish

PA 66, UL94V-0, natural (white)

<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-oo-

(blank)...natural (white)

R...red  E...blue  M...green  Y...yellow

Note: Contact JST for fully automatic crimping applicator.

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**PA FAMILY SERIES / PAF CONNECTOR (Insulation displacement type)**

### Receptacle

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q'ty/ box</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>02PAF-6S</td>
<td>A: 2.0, B: 6.0</td>
<td>1,000</td>
</tr>
<tr>
<td>3</td>
<td>03PAF-6S</td>
<td>A: 4.0, B: 8.0</td>
<td>1,000</td>
</tr>
<tr>
<td>4</td>
<td>04PAF-6S</td>
<td>A: 6.0, B: 10.0</td>
<td>500</td>
</tr>
<tr>
<td>5</td>
<td>05PAF-6S</td>
<td>A: 8.0, B: 12.0</td>
<td>500</td>
</tr>
<tr>
<td>6</td>
<td>06PAF-6S</td>
<td>A: 10.0, B: 14.0</td>
<td>500</td>
</tr>
<tr>
<td>7</td>
<td>07PAF-6S</td>
<td>A: 12.0, B: 16.0</td>
<td>500</td>
</tr>
<tr>
<td>8</td>
<td>08PAF-6S</td>
<td>A: 14.0, B: 18.0</td>
<td>250</td>
</tr>
<tr>
<td>9</td>
<td>09PAF-6S</td>
<td>A: 16.0, B: 20.0</td>
<td>250</td>
</tr>
<tr>
<td>10</td>
<td>10PAF-6S</td>
<td>A: 18.0, B: 22.0</td>
<td>250</td>
</tr>
<tr>
<td>11</td>
<td>11PAF-6S</td>
<td>A: 20.0, B: 24.0</td>
<td>250</td>
</tr>
<tr>
<td>12</td>
<td>12PAF-6S</td>
<td>A: 22.0, B: 26.0</td>
<td>250</td>
</tr>
<tr>
<td>13</td>
<td>13PAF-6S</td>
<td>A: 24.0, B: 28.0</td>
<td>250</td>
</tr>
<tr>
<td>14</td>
<td>14PAF-6S</td>
<td>A: 26.0, B: 30.0</td>
<td>250</td>
</tr>
<tr>
<td>15</td>
<td>15PAF-6S</td>
<td>A: 28.0, B: 32.0</td>
<td>250</td>
</tr>
<tr>
<td>16</td>
<td>16PAF-6S</td>
<td>A: 30.0, B: 34.0</td>
<td>250</td>
</tr>
</tbody>
</table>

**Material and Finish**

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

RoHS2 compliance

Note*: Unlisted in UL.

<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. 02PAF-6S-

S...natural (white)
R...red  E...blue  M...green  Y...yellow

### Retainer

<table>
<thead>
<tr>
<th>No. of circuits</th>
<th>Model No.</th>
<th>Dimensions (mm)</th>
<th>Q'ty/ bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>PAFS-02V-S</td>
<td>A: 2.0, B: 7.4</td>
<td>1,000</td>
</tr>
<tr>
<td>3</td>
<td>PAFS-03V-S</td>
<td>A: 4.0, B: 9.4</td>
<td>1,000</td>
</tr>
<tr>
<td>4</td>
<td>PAFS-04V-S</td>
<td>A: 6.0, B: 11.4</td>
<td>1,000</td>
</tr>
<tr>
<td>5</td>
<td>PAFS-05V-S</td>
<td>A: 8.0, B: 13.4</td>
<td>1,000</td>
</tr>
<tr>
<td>6</td>
<td>PAFS-06V-S</td>
<td>A: 10.0, B: 15.4</td>
<td>1,000</td>
</tr>
<tr>
<td>7</td>
<td>PAFS-07V-S</td>
<td>A: 12.0, B: 17.4</td>
<td>1,000</td>
</tr>
<tr>
<td>8</td>
<td>PAFS-08V-S</td>
<td>A: 14.0, B: 19.4</td>
<td>1,000</td>
</tr>
<tr>
<td>9</td>
<td>PAFS-09V-S</td>
<td>A: 16.0, B: 21.4</td>
<td>1,000</td>
</tr>
<tr>
<td>10</td>
<td>PAFS-10V-S</td>
<td>A: 18.0, B: 23.4</td>
<td>1,000</td>
</tr>
<tr>
<td>11</td>
<td>PAFS-11V-S</td>
<td>A: 20.0, B: 25.4</td>
<td>1,000</td>
</tr>
<tr>
<td>12</td>
<td>PAFS-12V-S</td>
<td>A: 22.0, B: 27.4</td>
<td>1,000</td>
</tr>
<tr>
<td>13</td>
<td>PAFS-13V-S</td>
<td>A: 24.0, B: 29.4</td>
<td>1,000</td>
</tr>
<tr>
<td>14</td>
<td>PAFS-14V-S</td>
<td>A: 26.0, B: 31.4</td>
<td>1,000</td>
</tr>
<tr>
<td>15</td>
<td>PAFS-15V-S</td>
<td>A: 28.0, B: 33.4</td>
<td>1,000</td>
</tr>
</tbody>
</table>

**Material and Finish**

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

RoHS2 compliance

Note*: Unlisted in UL.
PA FAMILY SERIES / PAL CONNECTOR (Wire-to-wire type)

**Contact**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Applicable wire (mm²)</th>
<th>Insulation O.D. (mm)</th>
<th>Q’ty/reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAL-001T-P0.5</td>
<td>0.13~0.33</td>
<td>1.0~1.5</td>
<td>10,000</td>
</tr>
<tr>
<td>SPAL-002T-P0.5</td>
<td>0.08~0.21</td>
<td>0.9~1.5</td>
<td>10,000</td>
</tr>
</tbody>
</table>

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

Contact Crimping machine Applicator

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Crimp applicator</th>
<th>Dies</th>
<th>Crimp applicator with die</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAL-001T-P0.5</td>
<td>AP-K2N</td>
<td>MK/SPAL-001-05</td>
<td>APLMK SPAL001-05</td>
</tr>
<tr>
<td>SPAL-002T-P0.5</td>
<td>MKS-L</td>
<td>MK/SPAL-002-05</td>
<td>APLMK SPAL002-05</td>
</tr>
</tbody>
</table>

Note: Contact JST for fully automatic crimping applicator.

**Housing**

Without panel locks

<2 to 5 circuits>

With panel locks

<2 to 4 circuits>

<6 to 8 circuits>

**Retainer**

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

RoHS2 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. PALR-02VF-P00-
  - (black) natural (white)
  - R...red  E...blue  M...green  Y...yellow

PA FAMILY SERIES / PA•PAF•PAL CONNECTORS

PA FAMILY SERIES / PA CONNECTOR (Crimp style Standard type)

PA FAMILY SERIES / PA CONNECTOR (Crimp style Retainer mountable type)

PA FAMILY SERIES / PA•PAF•PAL CONNECTORS

PA FAMILY SERIES / PA CONNECTOR (Crimp style Retainer mountable type)

PA FAMILY SERIES / PA CONNECTOR (Wire-to-wire type)

PA FAMILY SERIES / PAF CONNECTOR (Insulation displacement type)

PA FAMILY SERIES / PA CONNECTOR (Wire-to-wire type)