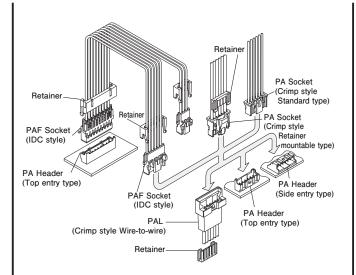


2.0 mm pitch/Wire-to-board (Crimp style/IDC style) / Wire-to-wire (Crimp style/IDC style)



The 2.0 mm pitch PA family consists of the following connectors:

- PA connector (Wire-to-board crimp style)
- PAF connector (Wire-to-board insulation displacement connection (IDC) style)
- PAL connector (Wire-to-wire crimp style) These features enabled a harness with complicated shape for the first time as a 2.0 mm pitch connector with secure locking mechanism.
- 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 IDC 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/ $10~m\Omega$ max.

After environmental tests/ 20 m Ω max.

• Insulation resistance: Initial/ 1,000 M Ω 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 M Ω 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℃ to +85℃

(including temperature rise in applying electrical current)

Contact resistance: Initial value/ 15 mΩ max.

After environmental tests/ 25 m Ω max.

• Insulation resistance: Initial/ 1,000 M Ω 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.

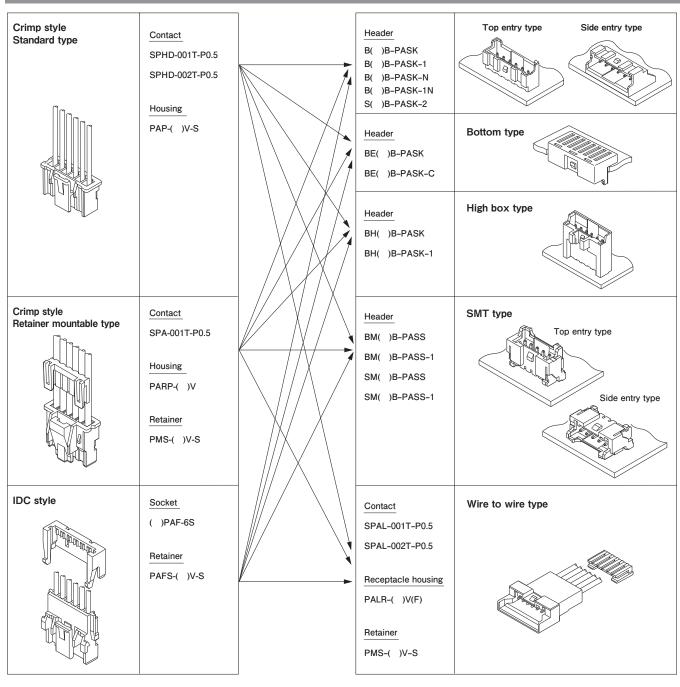
Insulation resistance: Initial/ 1,000 MΩ min.

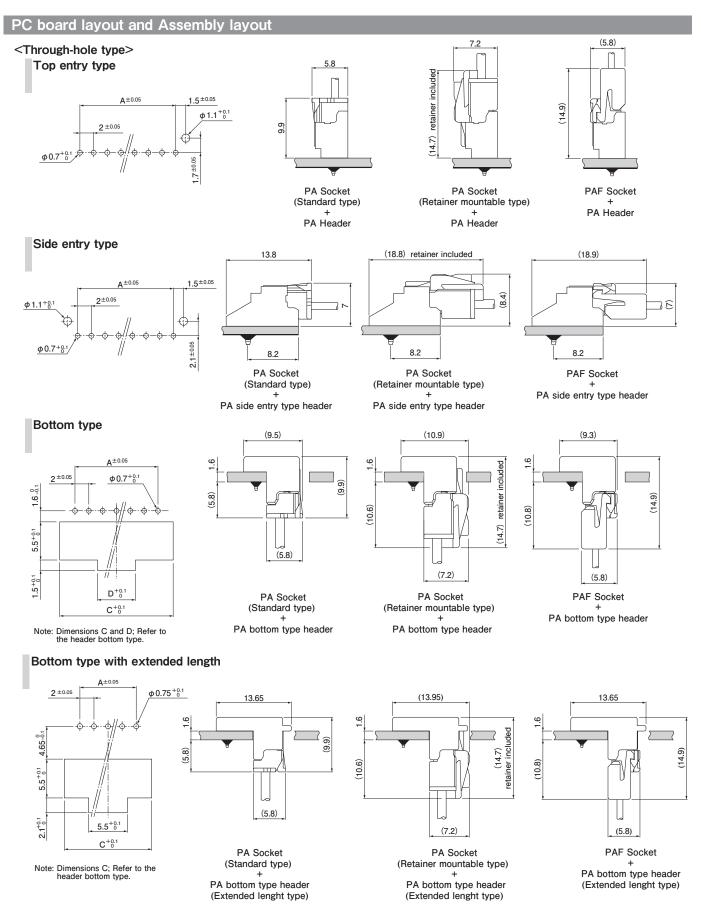
Withstanding voltage: 800 VAC/minute

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



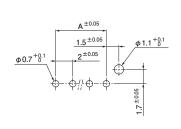


Note: 1. The above figure is the figure viewed from the connector mounting side.

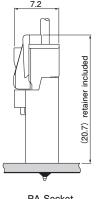
- 2. Tolerances are non-cumulative: $\pm~0.05~\text{mm}$ for all centers.
- Hole dimensions differ according to the type of PC board and piercing method.
 Please contact JST for details as the dimensions shown in the above figure are reference values.

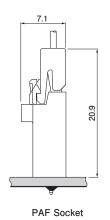
PC board layout and Assembly layout

High box type



7.1





PA Socket (Standard type)

PA high box type header

PA Socket (Retainer mountable type)

PA high box type header

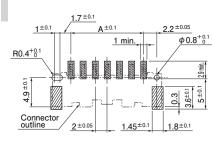
PA high box type header

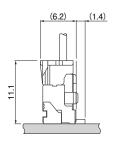
- Note: 1. The above figure is the figure viewed from the connector mounting side.

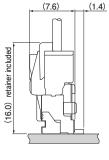
 - Tolerances are non-cumulative: ± 0.05 mm for all centers.
 Hole dimensions differ according to the type of PC board and piercing method. Please contact JST for details as the dimensions shown in the above figure are reference values.

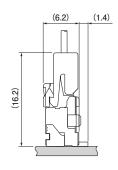
<SMT type>

Top entry type









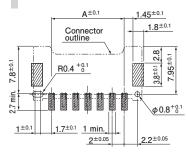
PA Socket (Standard type)

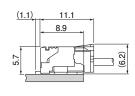
PA Header

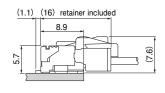
PA Socket (Retainer mountable type) PA Header

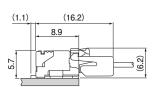
PAF Socket PA Header

Side entry type









PA Socket (Standard type)

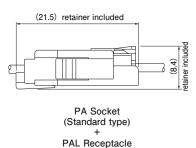
PA side entry type header (SMT)

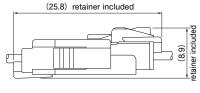
PA Socket (Retainer mountable type) PA side entry type header (SMT)

PAF Socket PA side entry type header (SMT)

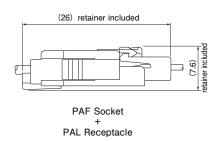
- Note: 1. The above figure is the figure viewed from the connector mounting side.
 - 2. Tolerances for the centers of pattern on PCB is \pm 0.05, and shall be not cumulative more than \pm 0.1.
 - 3. Please contact JST for details as the dimensions shown in the above figure are reference values.

<Wire-to-wire>

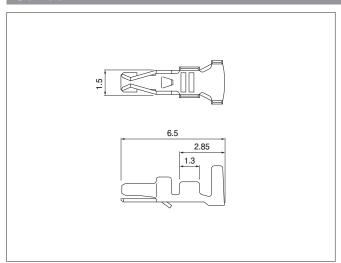




PA Socket (Retainer mountable type) PAL Receptacle



Contact



| Model No. | Applicable wire | | Applicable wire | | Insulation O.D. | Q'ty/ |
|----------------|-----------------|-------|-----------------|-------|-----------------|-------|
| woder No. | mm ² | AWG # | (mm) | reel | | |
| SPHD-001T-P0.5 | 0.13~0.33 | 26~22 | 1.0~1.5 | 8,000 | | |
| SPHD-002T-P0.5 | 0.08~0.21 | 28~24 | 0.76~1.5 | 8,000 | | |

Material and Finish

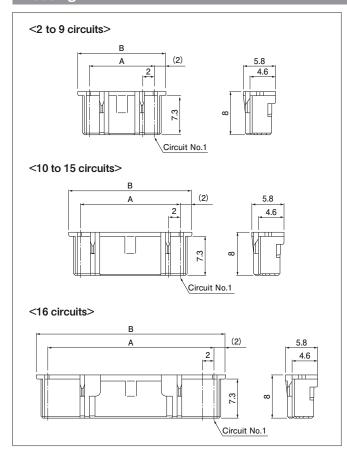
Phosphor bronze, tin-plated(reflow treatment)

RoHS2 compliance

| Contact | Crimping | | Applicator | |
|----------------|----------|------------------|----------------|----------------------------|
| Contact | machine | Crimp applicator | Dies | Crimp applicator with dies |
| SPHD-002T-P0.5 | AP-K2N | 14401.40 | MK/SPHD-002-05 | APLMK SPHD002-05 |
| SPHD-001T-P0.5 | AP-KZN | MKS-L-10 | MK/SPHD-001-05 | APLMK SPHD001-05 |

Note: Contact JST for fully automatic crimping applicator.

Housing



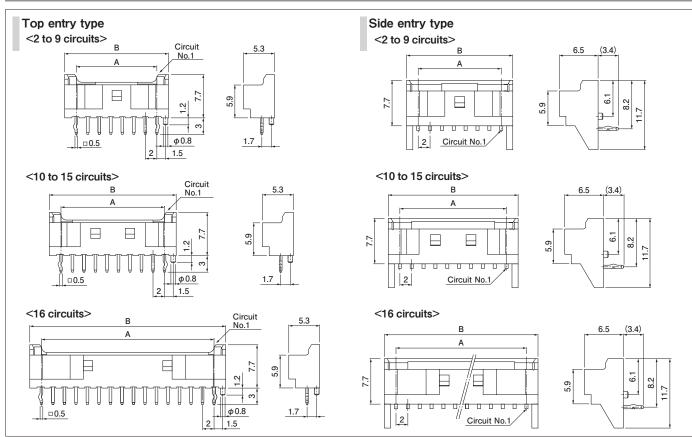
| No. of | Model No. | Dimension | ons (mm) | Q'ty/ |
|----------|------------|-----------|----------|-------|
| circuits | Widder No. | Α | В | bag |
| 2 | PAP-02V-S | 2.0 | 6.0 | 1,000 |
| 3 | PAP-03V-S | 4.0 | 8.0 | 1,000 |
| 4 | PAP-04V-S | 6.0 | 10.0 | 1,000 |
| 5 | PAP-05V-S | 8.0 | 12.0 | 1,000 |
| 6 | PAP-06V-S | 10.0 | 14.0 | 1,000 |
| 7 | PAP-07V-S | 12.0 | 16.0 | 1,000 |
| 8 | PAP-08V-S | 14.0 | 18.0 | 1,000 |
| 9 | PAP-09V-S | 16.0 | 20.0 | 1,000 |
| 10 | PAP-10V-S | 18.0 | 22.0 | 1,000 |
| 11 | PAP-11V-S | 20.0 | 24.0 | 1,000 |
| 12 | PAP-12V-S | 22.0 | 26.0 | 1,000 |
| 13 | PAP-13V-S | 24.0 | 28.0 | 1,000 |
| 14 | PAP-14V-S | 26.0 | 30.0 | 1,000 |
| 15 | PAP-15V-S | 28.0 | 32.0 | 1,000 |
| 16 | PAP-16V-S | 30.0 | 34.0 | 1,000 |

Material and Finish

PA 66, UL94V-0, natural (white)

RoHS2 compliance

Through-hole type header



Top entry type

| No. of | Mode | el No. | Dimension | ons (mm) | Q'ty/ |
|-----------|--------------|---------------|-----------|----------|-------|
| circuits | Without boss | With a boss | Α | В | box |
| 2 (Note1) | B02B-PAFYK-A | B02B-PAFYK-1A | 2.0 | 6.0 | 1,000 |
| 2 | B02B-PASK | B02B-PASK-1 | 2.0 | 6.0 | 1,000 |
| 3 | B03B-PASK | B03B-PASK-1 | 4.0 | 8.0 | 1,000 |
| 4 | B04B-PASK | B04B-PASK-1 | 6.0 | 10.0 | 1,000 |
| 5 | B05B-PASK | B05B-PASK-1 | 8.0 | 12.0 | 500 |
| 6 | B06B-PASK | B06B-PASK-1 | 10.0 | 14.0 | 500 |
| 7 | B07B-PASK | B07B-PASK-1 | 12.0 | 16.0 | 500 |
| 8 | B08B-PASK | B08B-PASK-1 | 14.0 | 18.0 | 500 |
| 9 | B09B-PASK | B09B-PASK-1 | 16.0 | 20.0 | 500 |
| 10 | B10B-PASK | B10B-PASK-1 | 18.0 | 22.0 | 500 |
| 11 | B11B-PASK | B11B-PASK-1 | 20.0 | 24.0 | 250 |
| 12 | B12B-PASK | B12B-PASK-1 | 22.0 | 26.0 | 250 |
| 13 | B13B-PASK | B13B-PASK-1 | 24.0 | 28.0 | 250 |
| 14 | B14B-PASK | B14B-PASK-1 | 26.0 | 30.0 | 250 |
| 15 | B15B-PASK | B15B-PASK-1 | 28.0 | 32.0 | 250 |
| 16 | B16B-PASK | B16B-PASK-1 | 30.0 | 34.0 | 250 |

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PBT, UL94V-0, natural (white) (Note1) PA 66, vivid yellow

RoHS2 compliance This product displays (LF)(SN) on a label.

Side entry type

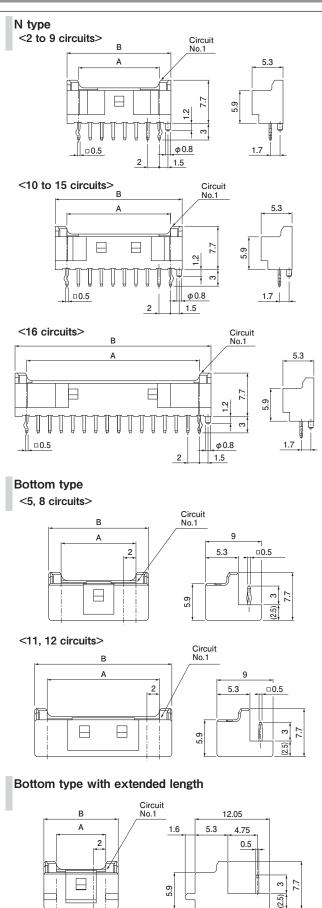
| No. of | Model No. | Dimensions (mm) | | Q'ty/ |
|----------|-------------|-----------------|------|-------|
| circuits | Wiodel No. | Α | В | box |
| 2 | S02B-PASK-2 | 2.0 | 6.0 | 1,000 |
| 3 | S03B-PASK-2 | 4.0 | 8.0 | 1,000 |
| 4 | S04B-PASK-2 | 6.0 | 10.0 | 500 |
| 5 | S05B-PASK-2 | 8.0 | 12.0 | 500 |
| 6 | S06B-PASK-2 | 10.0 | 14.0 | 500 |
| 7 | S07B-PASK-2 | 12.0 | 16.0 | 250 |
| 8 | S08B-PASK-2 | 14.0 | 18.0 | 250 |
| 9 | S09B-PASK-2 | 16.0 | 20.0 | 250 |
| 10 | S10B-PASK-2 | 18.0 | 22.0 | 250 |
| 11 | S11B-PASK-2 | 20.0 | 24.0 | 250 |
| 12 | S12B-PASK-2 | 22.0 | 26.0 | 250 |
| 13 | S13B-PASK-2 | 24.0 | 28.0 | 200 |
| 14 | S14B-PASK-2 | 26.0 | 30.0 | 200 |
| 15 | S15B-PASK-2 | 28.0 | 32.0 | 200 |
| 16 | S16B-PASK-2 | 30.0 | 34.0 | 200 |

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.

Through-hole type header



N type

| No. of | Mode | el No. | Dimension | ons (mm) | Q'ty/ |
|----------|--------------|--------------|-----------|----------|-------|
| circuits | Without boss | With a boss | Α | В | box |
| 2 | B02B-PASK-N | B02B-PASK-1N | 2.0 | 6.0 | 1,000 |
| 3 | B03B-PASK-N | B03B-PASK-1N | 4.0 | 8.0 | 1,000 |
| 4 | B04B-PASK-N | B04B-PASK-1N | 6.0 | 10.0 | 1,000 |
| 5 | B05B-PASK-N | B05B-PASK-1N | 8.0 | 12.0 | 500 |
| 6 | B06B-PASK-N | B06B-PASK-1N | 10.0 | 14.0 | 500 |
| 7 | B07B-PASK-N | B07B-PASK-1N | 12.0 | 16.0 | 500 |
| 8 | B08B-PASK-N | B08B-PASK-1N | 14.0 | 18.0 | 500 |
| 9 | B09B-PASK-N | B09B-PASK-1N | 16.0 | 20.0 | 500 |
| 10 | B10B-PASK-N | B10B-PASK-1N | 18.0 | 22.0 | 500 |
| 11 | B11B-PASK-N | B11B-PASK-1N | 20.0 | 24.0 | 250 |
| 12 | B12B-PASK-N | B12B-PASK-1N | 22.0 | 26.0 | 250 |
| 13 | B13B-PASK-N | B13B-PASK-1N | 24.0 | 28.0 | 250 |
| 14 | B14B-PASK-N | B14B-PASK-1N | 26.0 | 30.0 | 250 |
| 15 | B15B-PASK-N | B15B-PASK-1N | 28.0 | 32.0 | 250 |
| 16 | B16B-PASK-N | B16B-PASK-1N | 30.0 | 34.0 | 250 |

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.

Bottom type

| No. of | Model No. | Dimensions (mm) | | | | Q'ty/ |
|----------|------------|-----------------|------|------|------|-------|
| circuits | Model No. | Α | В | С | D | bag |
| 5 | BE05B-PASK | 8.0 | 12.0 | 12.4 | 5.5 | 300 |
| 8 | BE08B-PASK | 14.0 | 18.0 | 18.4 | 5.5 | 200 |
| 11 | BE11B-PASK | 20.0 | 24.0 | 24.4 | 12.0 | 150 |
| 12 | BE12B-PASK | 22.0 | 26.0 | 26.4 | 12.0 | 150 |

Material and Finish

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

RoHS2 compliance This product displays (LF)(SN) on a label.

Note: Dimemsions C and D; Refer to the PCB layout bottom type (page 3).

Bottom type with extended length

| No. of | Model No. | Dime | Q'ty/ | | |
|----------|--------------|------|-------|------|-------|
| circuits | Widdel No. | Α | В | С | box |
| 4 | BE04B-PASK-C | 6.0 | 10.0 | 10.4 | 1,050 |
| 5 | BE05B-PASK-C | 8.0 | 12.0 | 12.4 | 875 |
| 6 | BE06B-PASK-C | 10.0 | 14.0 | 14.4 | 750 |

Material and Finish

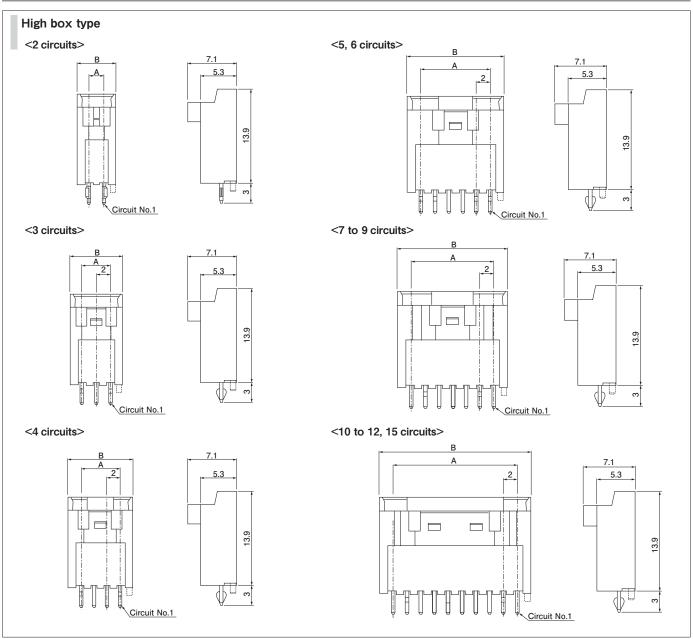
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: Glass-filled PA 66, UL94V-0, natural

RoHS2 compliance This product displays (LF)(SN) on a label.

Note: 1. Dimemsions C; Refer to the PCB layout bottom type (page 3).

2. Unlisted in UL.

Through-hole type header



| No. of | Mode | el No. | Dimensi | ons(mm) | Q'ty/ |
|----------|----------------|--------------|---------|---------|-------|
| circuits | Without a boss | With a boss | Α | В | box |
| 2 | BH02B-PASK | BH02B-PASK-1 | 2.0 | 6.0 | 900 |
| 3 | BH03B-PASK | BH03B-PASK-1 | 4.0 | 8.0 | 675 |
| 4 | BH04B-PASK | BH04B-PASK-1 | 6.0 | 10.0 | 525 |
| 5 | BH05B-PASK | BH05B-PASK-1 | 8.0 | 12.0 | 450 |
| 6 | BH06B-PASK | BH06B-PASK-1 | 10.0 | 14.0 | 375 |
| 7 | BH07B-PASK | BH07B-PASK-1 | 12.0 | 16.0 | 325 |
| 8 | BH08B-PASK | BH08B-PASK-1 | 14.0 | 18.0 | 300 |
| 9 | BH09B-PASK | BH09B-PASK-1 | 16.0 | 20.0 | 250 |
| 10 | BH10B-PASK | BH10B-PASK-1 | 18.0 | 22.0 | 225 |
| 11 | BH11B-PASK | BH11B-PASK-1 | 20.0 | 24.0 | 225 |
| 12 | BH12B-PASK | BH12B-PASK-1 | 22.0 | 26.0 | 200 |
| 15 | BH15B-PASK | BH15B-PASK-1 | 28.0 | 32.0 | 150 |

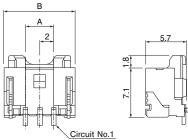
Material and Finish

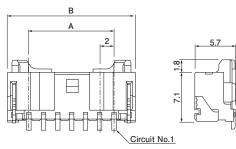
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: Glass-filled PBT, UL94V-0, natural (white)

SMT type header

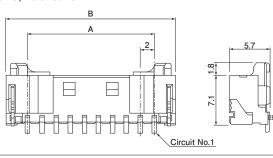
Top entry type <2 and 3 circuits> <2 and 3 circuits> Circuit No.1 <4 to 9 circuits> <4 to 9 circuits> 2 Circuit No.1 <10 to 13, 15 circuits> В A Circuit No.1

Side entry type





<10 to 13, 15 circuits>



Top entry type

| No. of | Mode | el No. | Dimensi | ons(mm) | Q'ty/ |
|----------|----------------|------------------|---------|---------|-------|
| circuits | Without a boss | With a boss | Α | В | reel |
| 2 | BM02B-PASS-(*) | BM02B-PASS-1-(*) | 2.0 | 8.0 | 500 |
| 3 | BM03B-PASS-(*) | BM03B-PASS-1-(*) | 4.0 | 10.0 | 500 |
| 4 | BM04B-PASS-(*) | BM04B-PASS-1-(*) | 6.0 | 12.0 | 500 |
| 5 | BM05B-PASS-(*) | BM05B-PASS-1-(*) | 8.0 | 14.0 | 500 |
| 6 | BM06B-PASS-(*) | BM06B-PASS-1-(*) | 10.0 | 16.0 | 500 |
| 7 | BM07B-PASS-(*) | BM07B-PASS-1-(*) | 12.0 | 18.0 | 500 |
| 8 | BM08B-PASS-(*) | BM08B-PASS-1-(*) | 14.0 | 20.0 | 500 |
| 9 | BM09B-PASS-(*) | BM09B-PASS-1-(*) | 16.0 | 22.0 | 500 |
| 10 | BM10B-PASS-(*) | BM10B-PASS-1-(*) | 18.0 | 24.0 | 500 |
| 11 | BM11B-PASS-(*) | BM11B-PASS-1-(*) | 20.0 | 26.0 | 500 |
| 12 | BM12B-PASS-(*) | BM12B-PASS-1-(*) | 22.0 | 28.0 | 500 |
| 13 | BM13B-PASS-(*) | BM13B-PASS-1-(*) | 24.0 | 30.0 | 500 |
| 15 | BM15B-PASS-(*) | BM15B-PASS-1-(*) | 28.0 | 34.0 | 500 |

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)

RoHS2 compliance This product displays (LF)(SN) on a label. Note: (*): TF···taping product

TFT...taping product with suction tape.

Side entry type

| No. of | Mode | Dimensi | ons(mm) | Q'ty/ | |
|----------|----------------|------------------|---------|-------|-------|
| circuits | Without a boss | With a boss | Α | В | reel |
| 2 | SM02B-PASS-(*) | SM02B-PASS-1-(*) | 2.0 | 8.0 | 1,000 |
| 3 | SM03B-PASS-(*) | SM03B-PASS-1-(*) | 4.0 | 10.0 | 1,000 |
| 4 | SM04B-PASS-(*) | SM04B-PASS-1-(*) | 6.0 | 12.0 | 1,000 |
| 5 | SM05B-PASS-(*) | SM05B-PASS-1-(*) | 8.0 | 14.0 | 1,000 |
| 6 | SM06B-PASS-(*) | SM06B-PASS-1-(*) | 10.0 | 16.0 | 1,000 |
| 7 | SM07B-PASS-(*) | SM07B-PASS-1-(*) | 12.0 | 18.0 | 1,000 |
| 8 | SM08B-PASS-(*) | SM08B-PASS-1-(*) | 14.0 | 20.0 | 1,000 |
| 9 | SM09B-PASS-(*) | SM09B-PASS-1-(*) | 16.0 | 22.0 | 1,000 |
| 10 | SM10B-PASS-(*) | SM10B-PASS-1-(*) | 18.0 | 24.0 | 1,000 |
| 11 | SM11B-PASS-(*) | SM11B-PASS-1-(*) | 20.0 | 26.0 | 1,000 |
| 12 | SM12B-PASS-(*) | SM12B-PASS-1-(*) | 22.0 | 28.0 | 1,000 |
| 13 | SM13B-PASS-(*) | SM13B-PASS-1-(*) | 24.0 | 30.0 | 1,000 |
| 15 | SM15B-PASS-(*) | SM15B-PASS-1-(*) | 28.0 | 34.0 | 1,000 |

Material and Finish

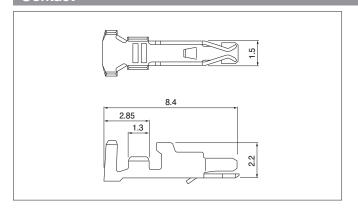
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA, UL94V-0, natural (ivory)

Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label. Note: (*): TB···taping product

TBT...taping product with suction tape.

Contact



| Model No. | Applicable wire | | Insulation O.D. | Q'ty/ |
|---------------|-----------------|-------|-----------------|--------|
| woder No. | mm ² | AWG # | (mm) | reel |
| SPA-001T-P0.5 | 0.13~0.33 | 26~22 | 0.9~1.5 | 10,000 |

Material and Finish

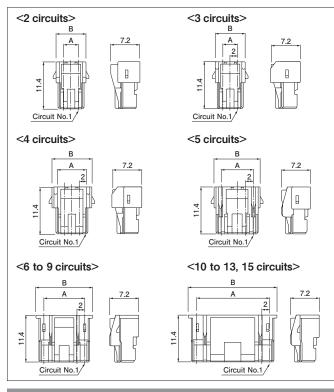
Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

| | Crimping | | | |
|---------------|----------|------------------|---------------|----------------------------|
| | machine | Crimp applicator | Dies | Crimp applicator with dies |
| SPA-001T-P0.5 | AP-K2N | MKS-L | MK/SPA-001-05 | APLMK SPA001-05 |

Note: Contact JST for fully automatic crimping applicator.

Housing



| No. of | Model No. | Dimension | Q'ty/ | |
|----------|-----------|-----------|-------|-------|
| circuits | Model No. | Α | В | bag |
| 2 | PARP-02V | 2.0 | 5.4 | 1,000 |
| 3 | PARP-03V | 4.0 | 7.4 | 1,000 |
| 4 | PARP-04V | 6.0 | 9.4 | 1,000 |
| 5 | PARP-05V | 8.0 | 11.4 | 1,000 |
| 6 | PARP-06V | 10.0 | 14.0 | 1,000 |
| 7 | PARP-07V | 12.0 | 16.0 | 1,000 |
| 8 | PARP-08V | 14.0 | 18.0 | 1,000 |
| 9 | PARP-09V | 16.0 | 20.0 | 1,000 |
| 10 | PARP-10V | 18.0 | 22.0 | 1,000 |
| 11 | PARP-11V | 20.0 | 24.0 | 500 |
| 12 | PARP-12V | 22.0 | 26.0 | 500 |
| 13 | PARP-13V | 24.0 | 28.0 | 500 |
| 15 | PARP-15V | 28.0 | 32.0 | 500 |

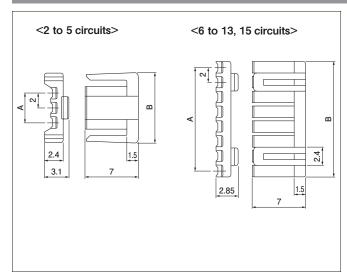
Material and Finish

PA 66, UL94V-0, natural (white)

RoHS2 compliance

Note: Contact JST for Glow Wire compliant connectors.

Retainer

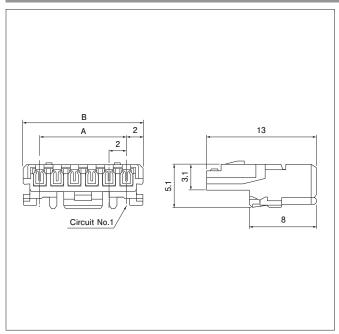


| No. of | Model No. | Dimensi | Q'ty/ | |
|----------|-----------|---------|-------|-------|
| circuits | Model No. | Α | В | bag |
| 2 | PMS-02V-S | 2.0 | 7.3 | 1,000 |
| 3 | PMS-03V-S | 4.0 | 9.3 | 1,000 |
| 4 | PMS-04V-S | 6.0 | 11.3 | 1,000 |
| 5 | PMS-05V-S | 8.0 | 13.3 | 1,000 |
| 6 | PMS-06V-S | 10.0 | 11.55 | 1,000 |
| 7 | PMS-07V-S | 12.0 | 13.55 | 1,000 |
| 8 | PMS-08V-S | 14.0 | 15.55 | 1,000 |
| 9 | PMS-09V-S | 16.0 | 17.55 | 1,000 |
| 10 | PMS-10V-S | 18.0 | 19.55 | 1,000 |
| 11 | PMS-11V-S | 20.0 | 21.55 | 1,000 |
| 12 | PMS-12V-S | 22.0 | 23.55 | 1,000 |
| 13 | PMS-13V-S | 24.0 | 25.55 | 1,000 |
| 15 | PMS-15V-S | 28.0 | 29.55 | 1,000 |
| | | | | |

Material and Finish

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

Receptacle



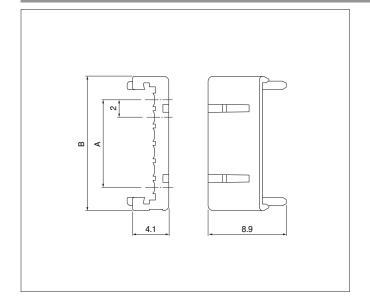
| No. of | Model No. | Dimensio | Q'ty/ | |
|----------|------------|----------|-------|-------|
| circuits | Widdel No. | Α | В | box |
| 2 | 02PAF-6S | 2.0 | 6.0 | 1,000 |
| 3 | 03PAF-6S | 4.0 | 8.0 | 1,000 |
| 4 | 04PAF-6S | 6.0 | 10.0 | 500 |
| 5 | 05PAF-6S | 8.0 | 12.0 | 500 |
| 6 | 06PAF-6S | 10.0 | 14.0 | 500 |
| 7 | 07PAF-6S | 12.0 | 16.0 | 500 |
| 8 | 08PAF-6S | 14.0 | 18.0 | 250 |
| 9 | 09PAF-6S | 16.0 | 20.0 | 250 |
| 10 | 10PAF-6S | 18.0 | 22.0 | 250 |
| 11 | 11PAF-6S | 20.0 | 24.0 | 250 |
| 12 | 12PAF-6S | 22.0 | 26.0 | 250 |
| 13 | 13PAF-6S | 24.0 | 28.0 | 250 |
| 14 | 14PAF-6S | 26.0 | 30.0 | 250 |
| 15 | 15PAF-6S | 28.0 | 32.0 | 250 |
| *16 | 16PAF-6S | 30.0 | 34.0 | 250 |

Material and Finish

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

RoHS2 compliance Note*: Unlisted in UL.

Retainer



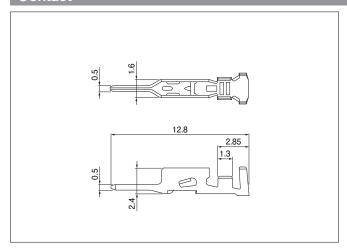
| No. of | Model No. | Dimensi | Q'ty/ | |
|----------|------------|---------|-------|-------|
| circuits | Widdel No. | Α | В | bag |
| 2 | PAFS-02V-S | 2.0 | 7.4 | 1,000 |
| 3 | PAFS-03V-S | 4.0 | 9.4 | 1,000 |
| 4 | PAFS-04V-S | 6.0 | 11.4 | 1,000 |
| 5 | PAFS-05V-S | 8.0 | 13.4 | 1,000 |
| 6 | PAFS-06V-S | 10.0 | 15.4 | 1,000 |
| 7 | PAFS-07V-S | 12.0 | 17.4 | 1,000 |
| 8 | PAFS-08V-S | 14.0 | 19.4 | 1,000 |
| * 9 | PAFS-09V-S | 16.0 | 21.4 | 1,000 |
| *10 | PAFS-10V-S | 18.0 | 23.4 | 1,000 |
| *11 | PAFS-11V-S | 20.0 | 25.4 | 1,000 |
| *12 | PAFS-12V-S | 22.0 | 27.4 | 1,000 |
| *13 | PAFS-13V-S | 24.0 | 29.4 | 1,000 |
| *14 | PAFS-14V-S | 26.0 | 31.4 | 1,000 |
| *15 | PAFS-15V-S | 28.0 | 33.4 | 1,000 |

Material and Finish

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

RoHS2 compliance Note*: Unlisted in UL.

Contact



| | Model No. | Applicable wire | | Insulation O.D. | Q'ty/ | |
|---|----------------|-----------------|-------|-----------------|--------|--|
| | woder No. | mm ² | AWG # | (mm) | reel | |
| | SPAL-001T-P0.5 | 0.13~0.33 | 26~22 | 1.0~1.5 | 10,000 | |
| _ | SPAL-002T-P0.5 | 0.08~0.21 | 28~24 | 0.9~1.5 | 10,000 | |

Material and Finish

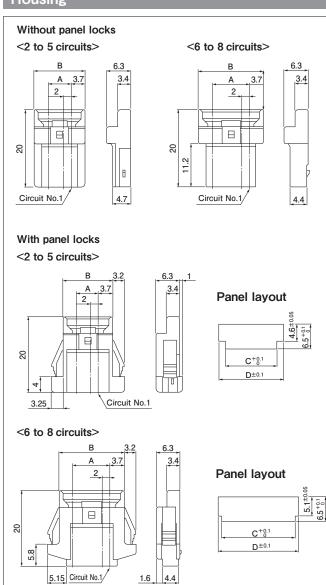
Phosphor bronze, tin-plated (reflow treatment)

RoHS2 compliance

| Contact | Contact | Crimping machine | Applicator | | | | |
|---------|----------------|------------------|------------------|----------------|-----------|-------------------|--|
| | Contact | | Crimp applicator | Dies | Crimp app | licator with dies | |
| | SPAL-001T-P0.5 | AP-K2N | MKS-L | MK/SPAL-001-05 | APLMK | SPAL001-05 | |
| | SPAL-002T-P0.5 | AP-NZIN | WING-L | MK/SPAL-002-05 | APLMK | SPAL002-05 | |

Note: Contact JST for fully automatic crimping applicator.

Housing



| No. of | Model No. | Dimension | Q'ty/ | |
|----------|------------|-----------|-------|-------|
| circuits | wiodei No. | Α | В | bag |
| 2 | PALR-02VF | 2.0 | 9.4 | 1,000 |
| 3 | PALR-03VF | 4.0 | 11.4 | 1,000 |
| 4 | PALR-04VF | 6.0 | 13.4 | 1,000 |
| 5 | PALR-05VF | 8.0 | 15.4 | 1,000 |
| 6 | PALR-06VF | 10.0 | 17.4 | 1,000 |
| 7 | PALR-07VF | 12.0 | 19.4 | 1,000 |
| 8 | PALR-08VF | 14.0 | 21.4 | 1,000 |

Material and Finish

PA 66, UL94V-0, natural (white)

RoHS2 compliance

| No. of | Model No. | Dimensions (mm) | | | | Q'ty/ |
|----------|-----------|-----------------|------|------|------|-------|
| circuits | Model No. | Α | В | С | D | bag |
| 2 | PALR-02V | 2.0 | 9.4 | 9.8 | 13.4 | 1,000 |
| 3 | PALR-03V | 4.0 | 11.4 | 11.8 | 15.4 | 1,000 |
| 4 | PALR-04V | 6.0 | 13.4 | 13.8 | 17.4 | 1,000 |
| 5 | PALR-05V | 8.0 | 15.4 | 15.8 | 19.4 | 1,000 |
| 6 | PALR-06V | 10.0 | 17.4 | 19.8 | 21.4 | 1,000 |
| 7 | PALR-07V | 12.0 | 19.4 | 21.8 | 23.4 | 1,000 |
| 8 | PALR-08V | 14.0 | 21.4 | 23.8 | 25.4 | 1,000 |

Material and Finish

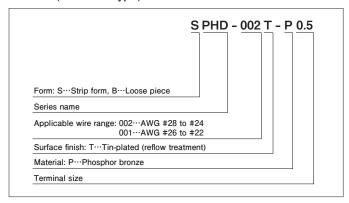
PA 66, UL94V-0, natural (white)

RoHS2 compliance

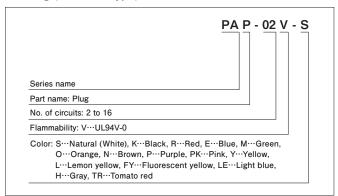
Retainer

Model number allocation

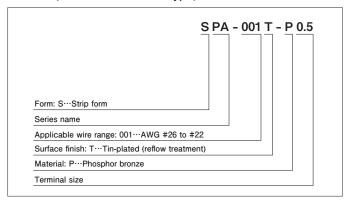
Contact (Standard type)



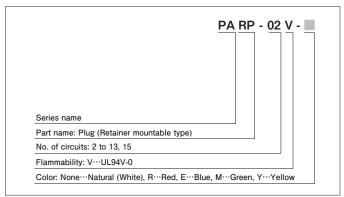
Housing (Standard type)



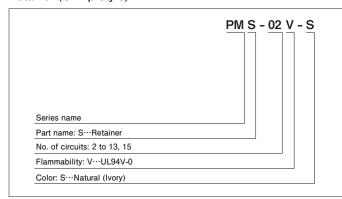
Contact (Retainer mountable type)



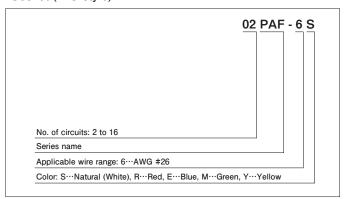
Housing (Retainer mountable type)



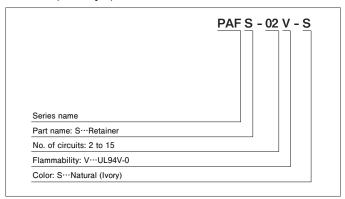
Retainer (Crimp style)



Socket (IDC style)

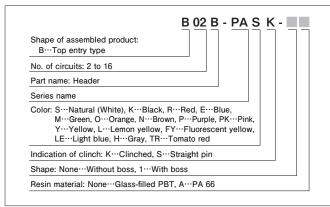


Retainer (IDC style)

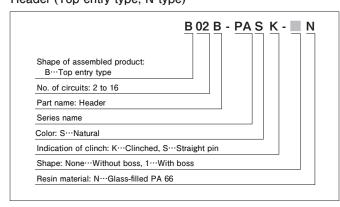


Model number allocation

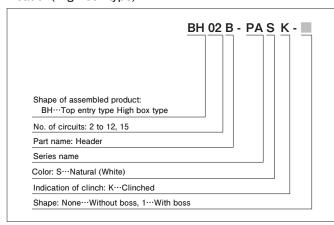
Header (Top entry type)



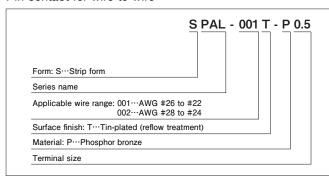
Header (Top entry type, N type)



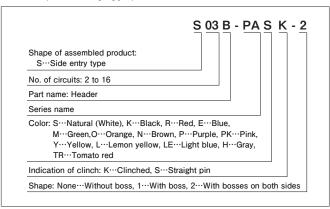
Header (High box type)



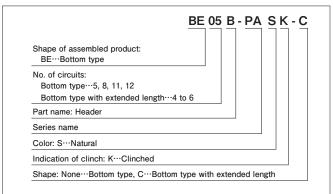
Pin contact for wire to wire



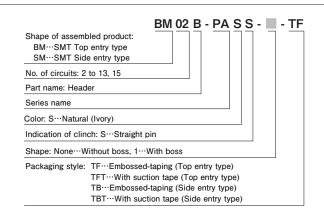
Header (Side entry type)



Header (Bottom type, Bottom type with extended length)



Header (SMT type)



Receptacle housing for wire-to-wire

