





Secondary retainer mountable 2.5mm pitch high-box type, with 20.5mm mounting height.

Fully shrouded header has the walls between every circuit to consider as the structure against vibration or prying.

- Secure locking device
- Fully shrouded header
- Header for use specifically with resin coated ("potted") PC boards
- PC board layout is exactly same as XA connector
- Secondary retainer

Specifications -

- 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: 1,000M Ω min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AWG #26 to #22
- Applicable PC board thickness: 1.6mm
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

PC board layout (viewed from component side) and Assembly layout





Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

2. Hole dimension differ according to the kind of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.





| Model No. | Applicable wire | | | Q'ty / | |
|----------------|-----------------|-------|----------------------|--------|--|
| WODEI NO. | mm ² | AWG# | Insulation O.D. (mm) | reel | |
| SPXA-001T-P0.6 | 0.13~0.33 | 26~22 | 1.2~1.9 | 7,000 | |
| | | | | | |

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

| Contact | Crimping | Applicator | | | |
|----------------|----------|------------------|----------------|----------------------------|--|
| Contact | machine | Crimp applicator | Dies | Crimp applicator with dies | |
| SPXA-001T-P0.6 | AP-K2N | MKS-L | MK/SPXA-001-06 | APLMK SPXA001-06 | |
| | | _ | _ | - | |

PXA CONNECTOR

Housing



| Circuits | Model No. | Dimensions (mm) | | Q'ty /bag | |
|----------|-----------|-----------------|------|-----------|--|
| | | A | В | G iy /bay | |
| 2 | PXARP-02V | 2.5 | 7.3 | 1,000 | |
| 3 | PXARP-03V | 5.0 | 9.8 | 1,000 | |
| 6 | PXARP-06V | 12.5 | 17.3 | 1,000 | |
| | | | | | |
| 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. PXARP-02V-00

(blank)...natural (white)

K...black R...red E...blue

Shrouded header



Retainer



| Circuits | Model No. | А | Q'ty / bag | |
|----------|-----------|------|------------|--|
| 2 | XMS-02V | 2.5 | 1,000 | |
| 3 | XMS-03V | 5.0 | 1,000 | |
| 6 | XMS-06V | 12.5 | 1,000 | |
| Material | | | | |

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

RoHS compliance