





This is the world's smallest 0.6mm pitch ID connector for discrete wires. This Wire to Board miniaturized connector has a mounting height of 1.45mm and depth of 3.0mm.

- Space saving
- Twin U-slot insulation displacement section
- New strain relief structure
- Suitable for thin wires
- Applicable to automatic ID machines

# Specifications -

- Current rating: 0.2A AC. DC
- Voltage rating: 30V AC, DC
- Temperature range: -25°C to +85°C (including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m  $\Omega$  max. After environmental testing/50m  $\Omega$  max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable wire: Conductor size/AWG #36
  - Conductor/7 strands,

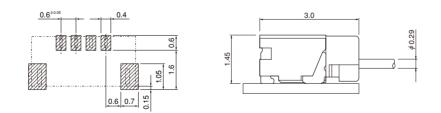
tin-coated copper alloy Insulation O.D./0.29mm

- \* 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 -

- N Recognized E60389
- Certified LR20812

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

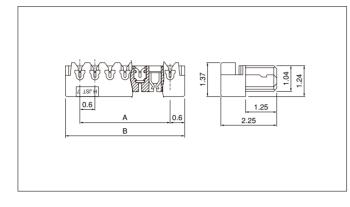


Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

2. The dimensions above should serve as a guideline. Contact JST for details.

# XSR CONNECTOR

## Socket



0	Model No.	Dimensions (mm)		0 + . / +
Circuits		A	В	Q'ty / box
2	02XSR-36S	0.6	1.8	4,000
4	04XSR-36S	1.8	3.0	4,000
6	06XSR-36S	3.0	4.2	4,000
10	10XSR-36S	5.4	6.6	4,000
16	16XSR-36S	9.0	10.2	4,000
20	20XSR-36S	11.4	12.6	4,000
22	*22XSR-36S	12.6	13.8	4,000
	Μ	aterial and Finish		

Contact: Copper alloy, tin-plated (reflow treatment)

Housing: PA, UL94V-0, natural

#### **RoHS compliance**

Note: \*Marked products are not UL/CSA approved.

<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.

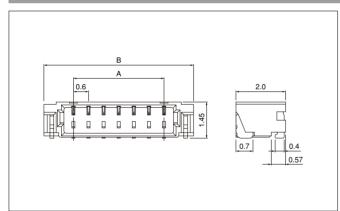
### ex. 02XSR-36S

S...natural (standard color)

LG...light green LP...light purple L...lemon yellow

PK...pink LE...light blue O...orange

## Header



Circuits	Model No.	Dimensions (mm)		Q'ty /
		A	В	reel
2	SM02B-XSRS-ETB	0.6	3.0	3,500
4	SM04B-XSRS-ETB	1.8	4.2	3,500
6	SM06B-XSRS-ETB	3.0	5.4	3,500
10	SM10B-XSRS-ETB	5.4	7.8	3,500
16	SM16B-XSRS-ETB	9.0	11.4	3,500
20	SM20B-XSRS-ETB	11.4	13.8	3,500
22	*SM22B-XSRS-ETB	12.6	15.0	3,500

#### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Housing: PA, UL94V-0, natural

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

**RoHS compliance** This product displays (LF)(SN) on a label. Note: 1.This products listed above are supplied on embossed-tape. 2.\*Marked products are not UL/CSA approved.

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the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. SM02B-XSRS-ETB

S...natural (standard color)

LG...light green LP...light purple L...lemon yellow

PK...pink LE...light blue O...orange