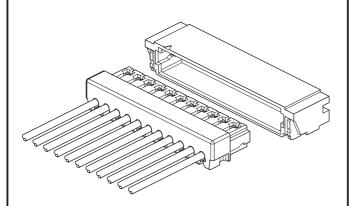


# XSR CONNECTOR



# 0.6mm pitch/Disconnectable Insulation displacement connectors



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 fine 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:  $100M\ \Omega$  min. • Withstanding voltage:  $200V\ AC/minute$ • Applicable wire: Conductor size/AWG #36

Conductor/7 strands,

tin-coated copper alloy

Insulation O.D./0.29mm

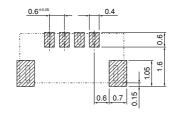
- \* RoHS compliant products are published.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

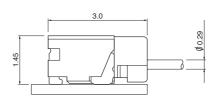
#### Standards -

Recognized E60389

Certified LR20812

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



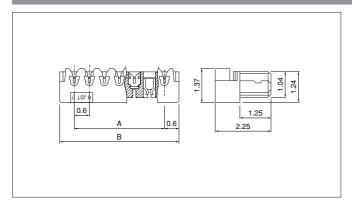


Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

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

# **XSR CONNECTOR**

#### Socket



Circuits	Model No.	Dimensions (mm)		Ott. / h
		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

#### Material 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.

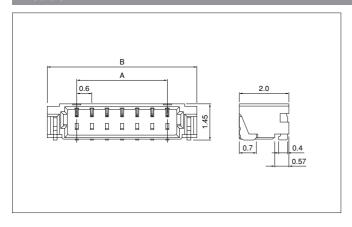
#### ex. 02XSR-365

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 /
		Α	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.
<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. SM02B-XSRS-TB

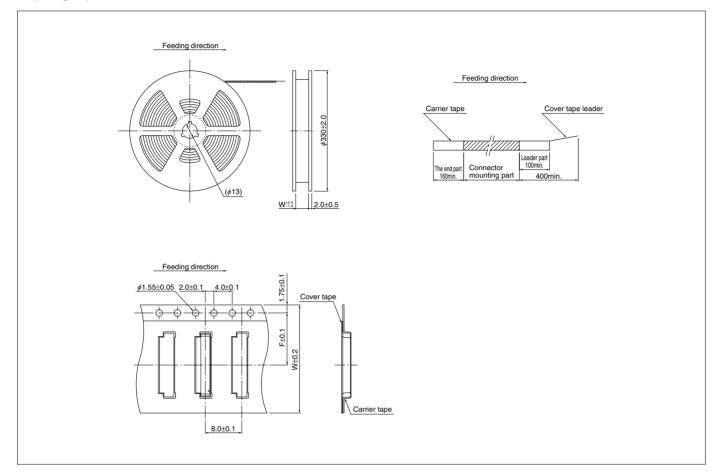
S...natural (standard color)

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

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

# **XSR** CONNECTOR

## Taping specifications -



Circuits	Dimensions (mm)		Reel Dimensions (mm)	Olty / rool
	F	W	W1	Q'ty / reel
2, 4	5.5	12.0	13.5	3,500
6, 10	7.5	16.0	17.5	3,500
16 to 22	11.5	24.0	25.5	3,500

Note: 1. Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.

<sup>2.</sup> Specifications are subject to change without prior notice.