

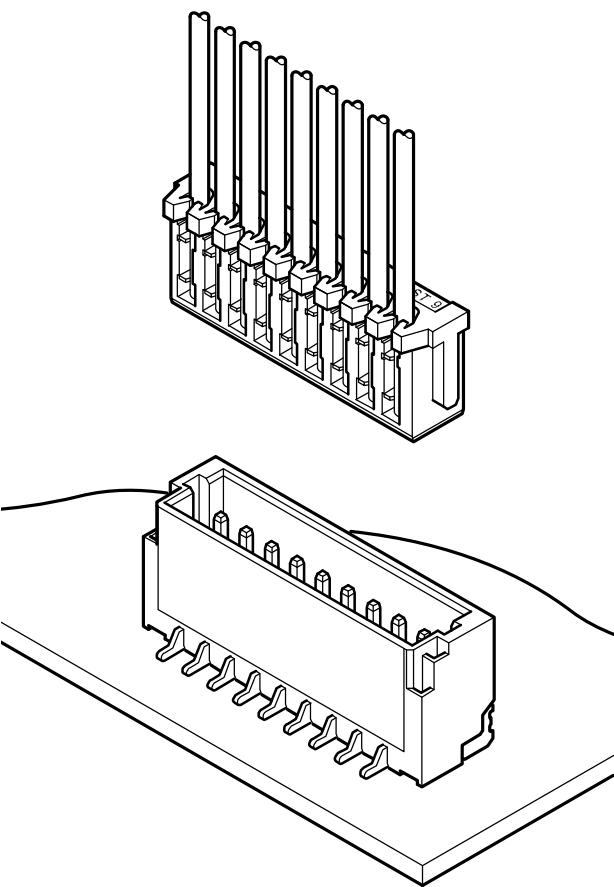
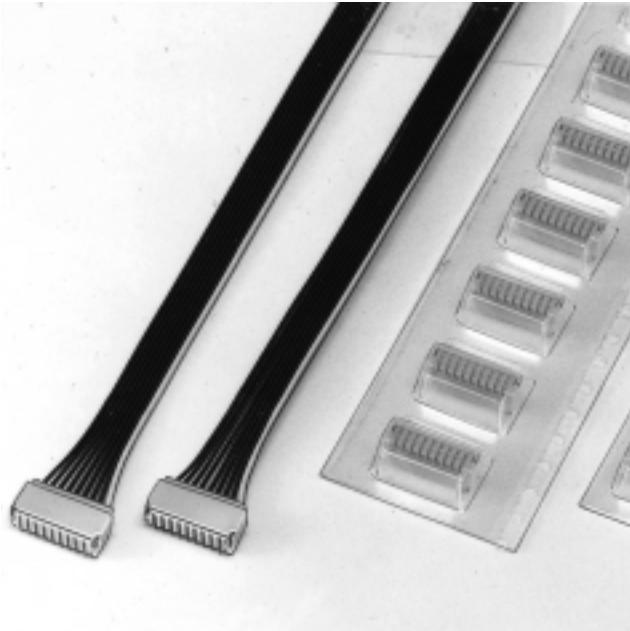
JST

IDC

**1.0mm**  
(.039") pitch

# SR CONNECTOR

Disconnectable Insulation displacement connectors



## Features

- **Ultra-compact insulation displacement connector**

1.0mm (.039") pitch and only 3.0mm (.118") high (side entry type). This connector is only about 61% as large as the smallest conventional (JST) IDC designs.

- **Header designed for vacuum pick and place robotics**

Although this shrouded header has locking features for its mating receptacle, there are no holes in the header shroud that would adversely effect vacuum gripping equipment. Since there is enough flat surface for secure vacuum gripping, this miniature surface mount connector is versatile for designers and economic for manufacturing.

- **Twin U-slot insulation displacement section**

The insulation displacement section connected to each wire consists of two tin-plated slots (twin U-slots), which ensures reliable connection.

- **3-point grip construction**

The 3-point insulation grip feature and the strain relief ensure a firm grip on terminated wires and protection of the insulation displacement connection from possible damage.

## Specifications

- Current rating: 0.7A DC
- Voltage rating: 50V DC
- Temperature range: -25°C to +85°C(including temperature rise in applying electrical current)
- Contact resistance: Initial value/20mΩ max.  
After environmental testing/40mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: AWG #30  
Conductor/7 strands,  
tin-coated annealed copper  
Insulation O.D./0.56mm (.022")

\* Contact JST for details.

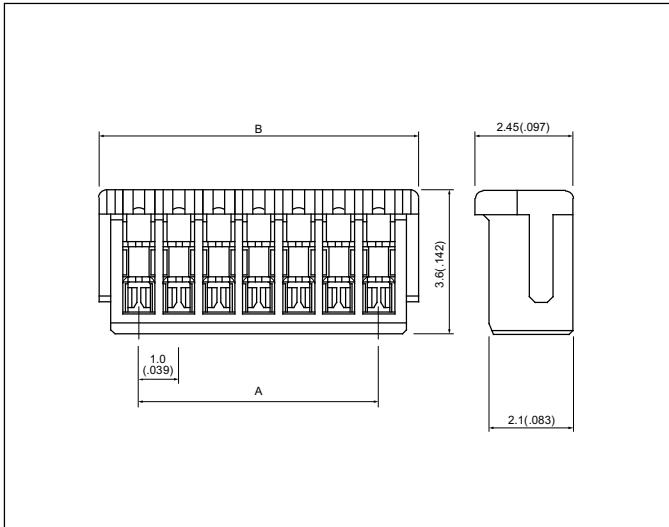
## Standards

Recognized E60389

Certified LR20812

# SR CONNECTOR

## Receptacle

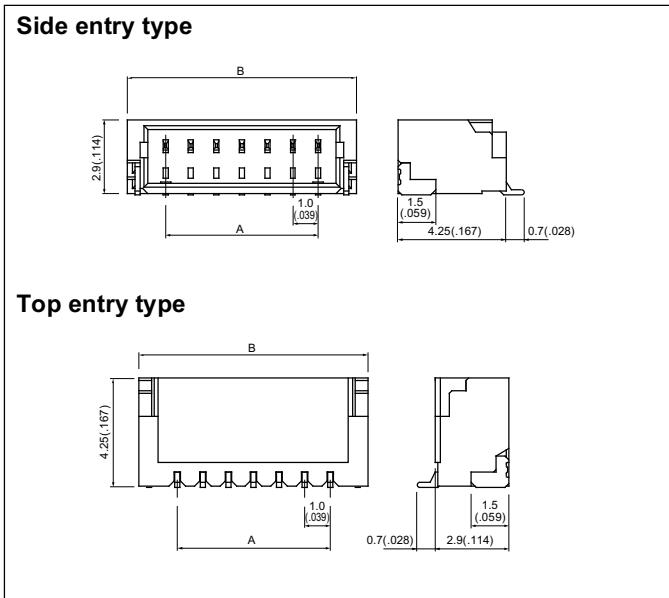


Circuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	02SR-3S	1.0(.039)	3.0(.118)	3,000
3	03SR-3S	2.0(.079)	4.0(.157)	3,000
4	04SR-3S	3.0(.118)	5.0(.197)	3,000
5	05SR-3S	4.0(.157)	6.0(.236)	2,000
6	06SR-3S	5.0(.197)	7.0(.276)	2,000
7	07SR-3S	6.0(.236)	8.0(.315)	2,000
8	08SR-3S	7.0(.276)	9.0(.354)	2,000
9	09SR-3S	8.0(.315)	10.0(.394)	2,000
10	10SR-3S	9.0(.354)	11.0(.433)	2,000
11	11SR-3S	10.0(.394)	12.0(.472)	2,000
12	12SR-3S	11.0(.433)	13.0(.512)	2,000
13	13SR-3S	12.0(.472)	14.0(.551)	2,000
14	14SR-3S	13.0(.512)	15.0(.591)	2,000

### Material and Finish

Contact: Phosphor bronze, tin-plated  
Housing: Polyamide 66, UL94V-0, natural (ivory)

## Shrouded header



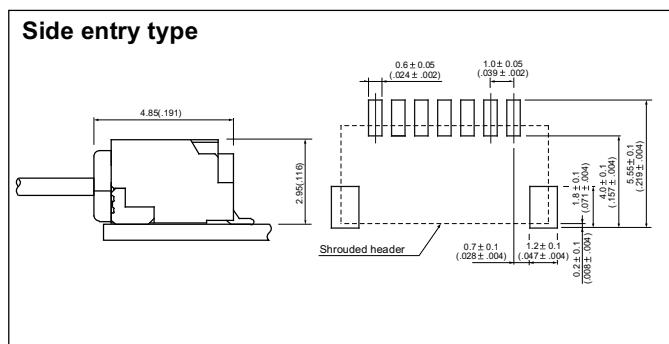
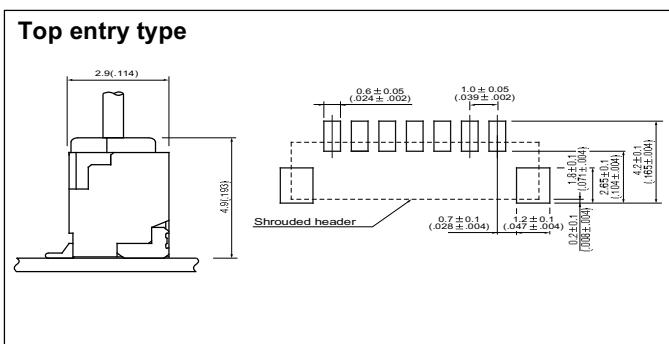
Circuits	Top entry type	Side entry type	Dimensions mm(in.)		Q'ty / reel
			A	B	
2	BM02B-SRSS-TB	SM02B-SRSS-TB	1.0(.039)	4.0(.157)	1,500
3	BM03B-SRSS-TB	SM03B-SRSS-TB	2.0(.079)	5.0(.197)	1,500
4	BM04B-SRSS-TB	SM04B-SRSS-TB	3.0(.118)	6.0(.236)	1,500
5	BM05B-SRSS-TB	SM05B-SRSS-TB	4.0(.157)	7.0(.276)	1,500
6	BM06B-SRSS-TB	SM06B-SRSS-TB	5.0(.197)	8.0(.315)	1,500
7	BM07B-SRSS-TB	SM07B-SRSS-TB	6.0(.236)	9.0(.354)	1,500
8	BM08B-SRSS-TB	SM08B-SRSS-TB	7.0(.276)	10.0(.394)	1,500
9	BM09B-SRSS-TB	SM09B-SRSS-TB	8.0(.315)	11.0(.433)	1,500
10	BM10B-SRSS-TB	SM10B-SRSS-TB	9.0(.354)	12.0(.472)	1,500
11	BM11B-SRSS-TB	SM11B-SRSS-TB	10.0(.394)	13.0(.512)	1,500
12	BM12B-SRSS-TB	SM12B-SRSS-TB	11.0(.433)	14.0(.551)	1,500
13	BM13B-SRSS-TB	SM13B-SRSS-TB	12.0(.472)	15.0(.591)	1,500
14	BM14B-SRSS-TB	SM14B-SRSS-TB	13.0(.512)	16.0(.630)	1,500

### Material and Finish

Contact: Copper alloy, copper-undercoated, tin/lead plated  
Water: Polyamide, UL94V-0, natural (ivory)  
Solder tab: Brass, copper-undercoated, tin/lead plated

Note: The products listed above are supplied on embossed-tape.

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

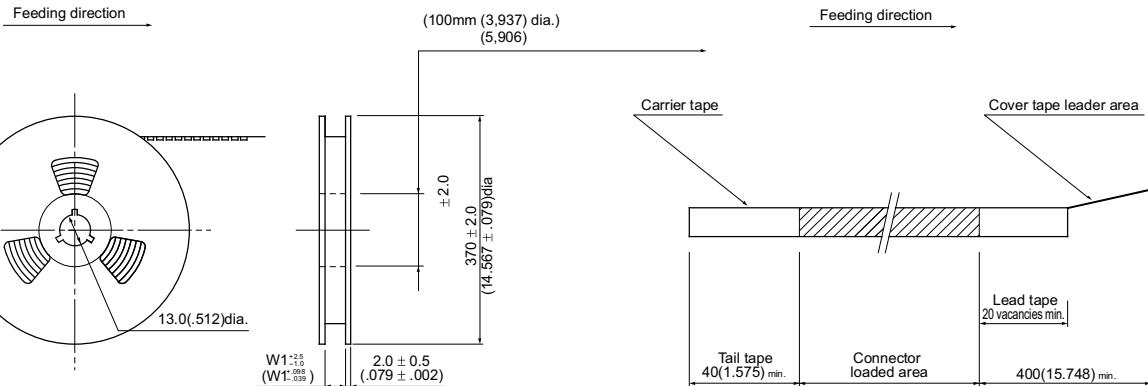


Note:

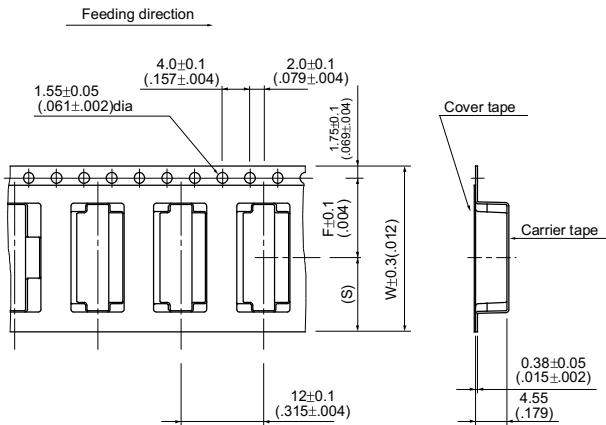
- Tolerances are non-cumulative:  $\pm 0.05\text{mm}(\pm .002")$  for all centers.
- Dimensions above should serve as a guideline. Contact JST for details.

# SR CONNECTOR

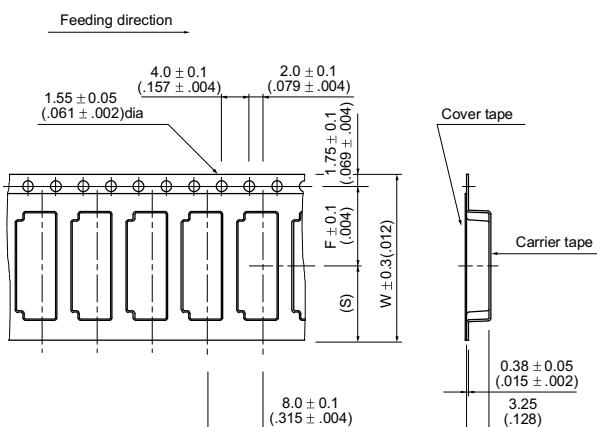
## Taping specifications



**Top entry type**



**Side entry type**



Circuits	Taping dimensions mm(in.)						Reel dimensions (in.)		Q'ty / reel	
	F		S		W		W1		Top entry type	Side entry type
	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type		
2 to 3	5.5(.217)	5.5(.217)	4.75(.187)	4.75(.187)	12(.472)	12(.472)	13.5(.531)	13.5(.531)	1,500	3,000
4	7.5(.295)	5.5(.217)	6.75(.266)	4.75(.187)	16(.630)	12(.472)	17.5(.689)	13.5(.531)	1,500	3,000
5 to 7	7.5(.295)	7.5(.295)	6.75(.266)	6.75(.266)	16(.630)	16(.630)	17.5(.689)	17.5(.689)	1,500	3,000
8	11.5(.453)	7.5(.295)	10.75(.423)	6.75(.266)	24(.945)	16(.630)	25.5(1.004)	17.5(.689)	1,500	3,000
9 to 14	11.5(.453)	11.5(.453)	10.75(.423)	10.75(.423)	24(.945)	24(.945)	25.5(1.004)	25.5(1.004)	1,500	3,000

Note:

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