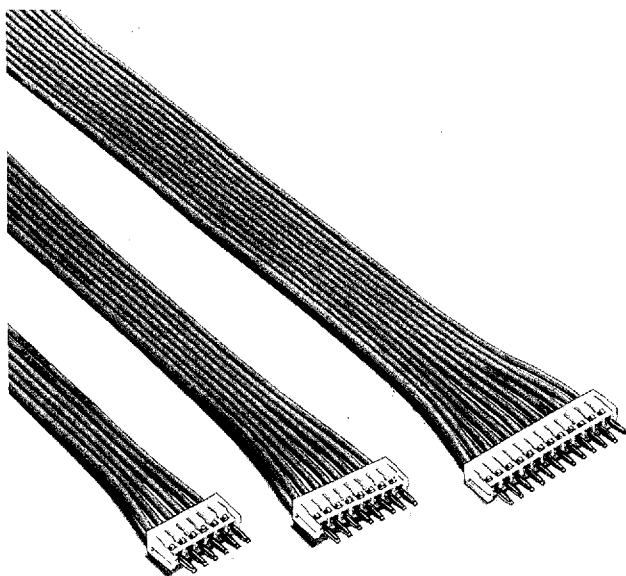


**JST**  
Crimp

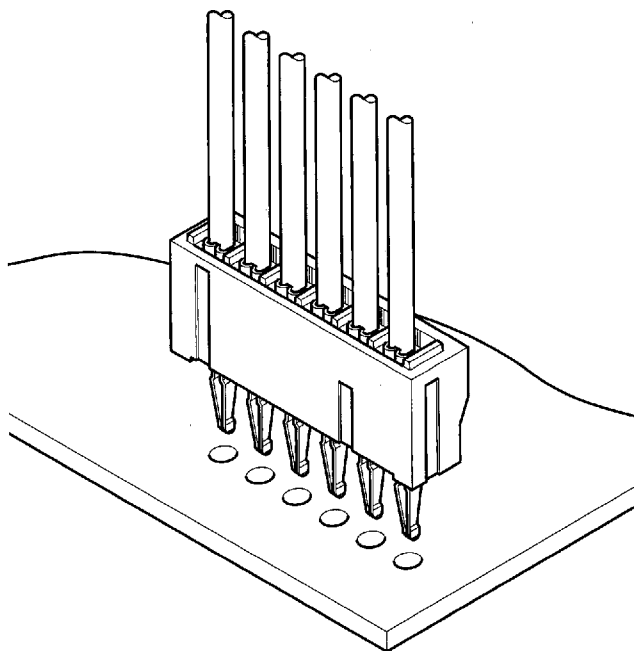
**1.5mm**  
(.059") pitch

# SZN CONNECTOR

Board-in crimp style connectors



*This low-profile, board-in connector, with a mounting height of only 4.25mm (.167") and a thickness of 2.4mm (.094"), is soldered directly onto printed circuit boards. The solder tail of the contact is resilient for easy assembly. The housing lances facilitate insertion of contacts.*



## Features

### • Slim, low-profile design

The SZN connector features a mounting height of just 4.25mm (.167") and a thickness of 2.4mm (.094").

### • Housing lances

The lances on the resilient housing ensure easy insertion and secure locking of the contact into the housing.

### • Easy mounting onto printed circuit boards

The solder tail of the contact is resilient so as to ensure easy assembly and provide a secure lock of the connector in the printed circuit board prior to soldering.


### • Rugged contact construction

The spring members of the resilient solder tail are joined together at the tip to prevent opening or deformation and to ensure easy handling.

## Specifications

- Current rating: 0.7A AC,DC (AWG #28)
  - Voltage rating: 50V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Insulation resistance: 500M  $\Omega$  min.
  - Withstanding voltage: 500V AC/minute
  - Applicable wire: AWG #30 to #26
  - Applicable PC board thickness: 0.6 to 1.2mm (.024" to .047")
- \* Contact JST for details.

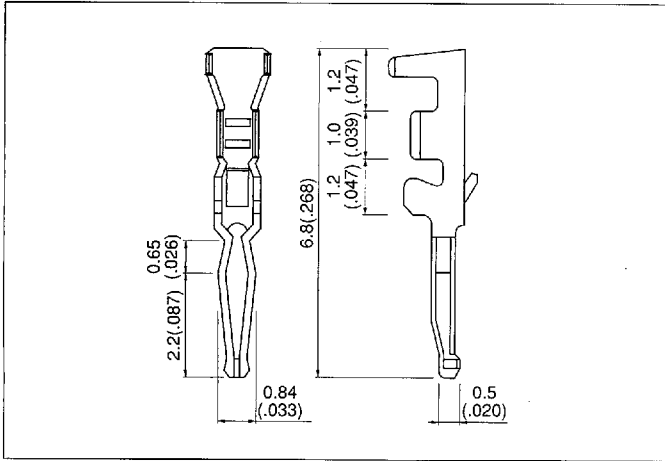
## Standards

 Recognized file No. E60389

 Certified file No. LR20812

# SZN CONNECTOR

## Contact

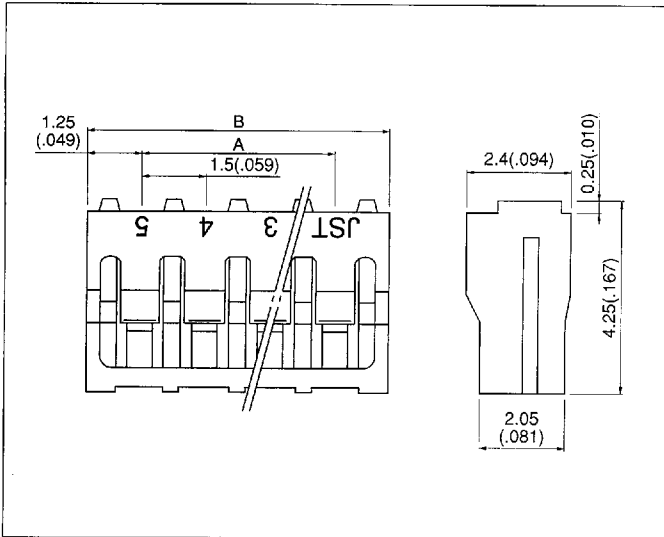


Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty/reel
	mm <sup>2</sup>	AWG #		
<b>SZN-002T-P0.7K</b>	0.08 to 0.13	28 to 26	0.8 to 1.1(.031 to 0.43)	14,000
<b>SZN-003T-P0.7K</b>	0.05 to 0.08	30 to 28	0.7 to 0.9(.028 to 0.35)	15,000

### Material and Finish

Phosphor bronze, tin-plated

## Housing

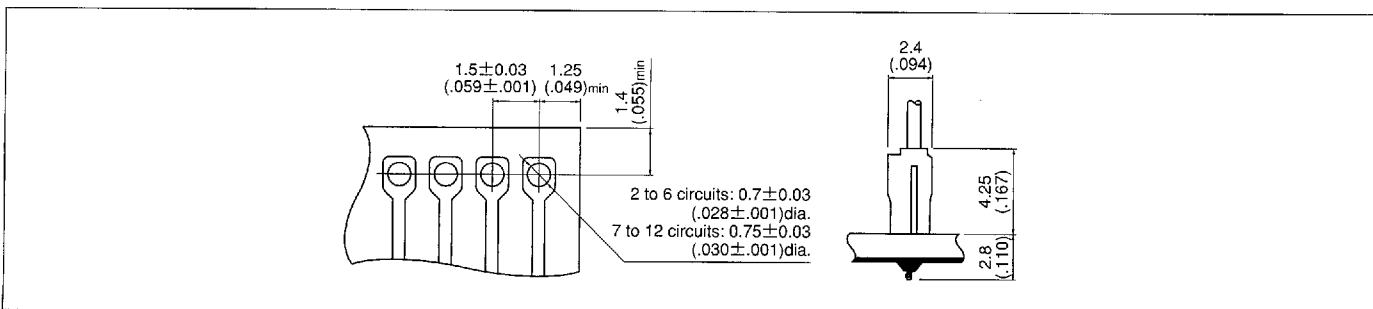


Circuits	Model No.	Dimensions mm.(in)		Q'ty/bag
		A	B	
2	<b>2P-SZN</b>	1.5(.059)	4.0(.157)	1,000
3	<b>3P-SZN</b>	3.0(.118)	5.5(.217)	1,000
4	<b>4P-SZN</b>	4.5(.177)	7.0(.276)	1,000
5	<b>5P-SZN</b>	6.0(.236)	8.5(.335)	1,000
6	<b>6P-SZN</b>	7.5(.295)	10.0(.394)	1,000
7	<b>7P-SZN</b>	9.0(.354)	11.5(.435)	1,000
8	<b>8P-SZN</b>	10.5(.413)	13.0(.512)	1,000
9	<b>9P-SZN</b>	12.0(.472)	14.5(.571)	1,000
10	<b>10P-SZN</b>	13.5(.531)	16.0(.630)	1,000
11	<b>11P-SZN</b>	15.0(.591)	17.5(.689)	1,000
12	<b>12P-SZN</b>	16.5(.650)	19.0(.748)	1,000
13	<b>13P-SZN</b>	18.0(.709)	20.5(.807)	1,000

### Material

Nylon 66, UL94V-0, natural (white)

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



### Note:

1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm .002''$ ) for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.