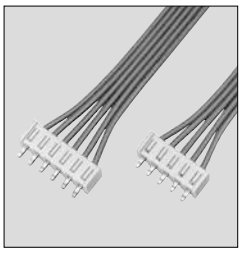
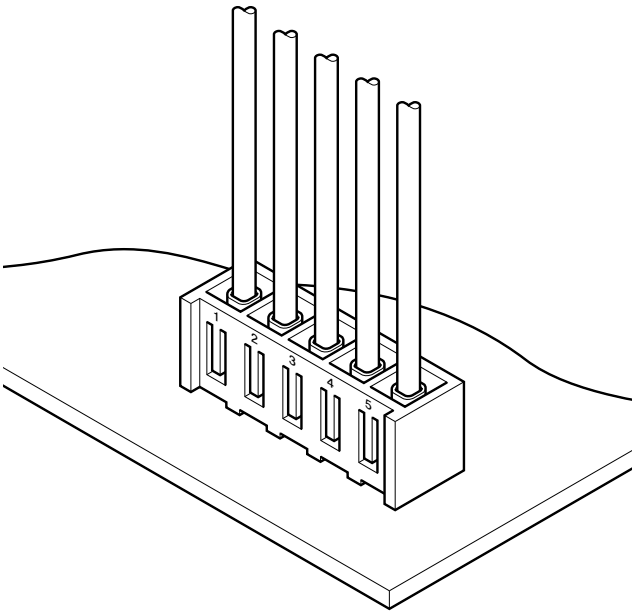


SDN CONNECTOR

3.96mm pitch/Board-in Crimp style connectors



The SDN connector is a 3.96mm pitch board-in crimp style connector capable of connecting a wide variety of circuits including signal and power supply circuits. The connector features a slim, low-profile design. In addition, it has an exclusive lance construction to reduce insertion force, thus substantially improving the working efficiency in mounting the contact.

- **Slim, low-profile design**
- **Easy and secure contact mounting**
- **Improved solderability**
- **Polarizing boss**

Specifications

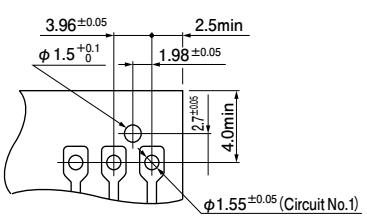
- Current rating: 7A AC, DC (AWG #18)
- Voltage rating: 250V AC, DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #22 to #18
- Applicable PC board thickness: 1.6mm

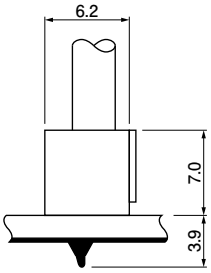
* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E60389
Certified LR20812
R50100763

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

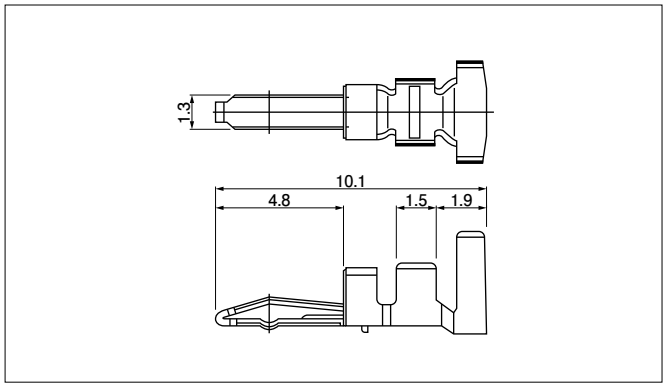




Note: 1. Tolerances are non-cumulative: ± 0.05mm for all centers. For connectors with 5 or more circuits the hole dimensions will differ from the above values. Contact JST for details.
2. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline.

SDN CONNECTOR

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm²	AWG #		
SDN-21T-P1.5	0.33 to 0.83	22 to 18	1.6 to 3.0	5,000

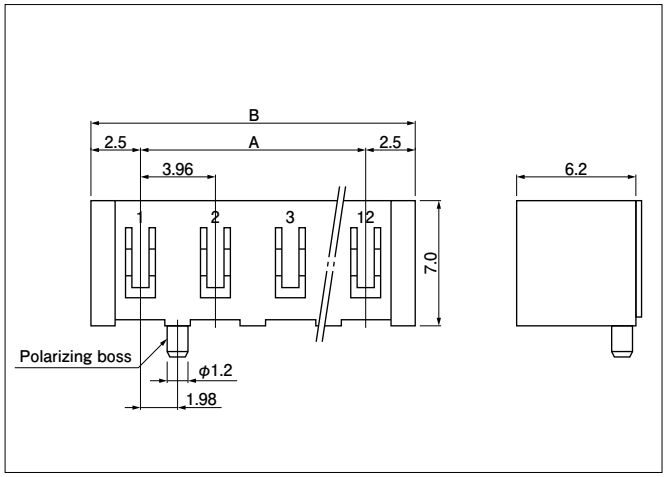
Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SDN-21T-P1.5	AP-K2N	MKS-L	MK/SDN-21-15	APLMK SDN21-15

Note: Contact JST for fully automatic crimping applicator.

Housing



No. of circuits	Model No.		Dimensions (mm)		Q'ty / bag
	With polarizing boss	Without polarizing boss	A	B	
2	2P-SDN	2P-SDN-A	3.96	8.96	1,000
3	3P-SDN	3P-SDN-A	7.92	12.92	1,000
4	4P-SDN	4P-SDN-A	11.88	16.88	1,000
5	5P-SDN	5P-SDN-A	15.84	20.84	1,000
6	6P-SDN	6P-SDN-A	19.80	24.80	500
7	7P-SDN	7P-SDN-A	23.76	28.76	500
8	8P-SDN	8P-SDN-A	27.72	32.72	500
9	9P-SDN	9P-SDN-A	31.68	36.68	500
10	10P-SDN	10P-SDN-A	35.64	40.64	500
11	11P-SDN	11P-SDN-A	39.60	44.60	500
12	12P-SDN	12P-SDN-A	43.56	48.56	500

Material
PA 66, UL94V-0, natural (white)

RoHS compliance

Model number allocation

Contact

SDN - 21 T - P1.5

- Series name
- Applicable wire range: AWG #22 to #18
- Surface finish: T···Tin-plated (reflow treatment)
- Material: P···Phosphor bronze
- Terminal size

Housing

2P - SDN - A

- No. of circuits: 2 to 12
- Series name
- Shape: None···With polarizing boss
  A···Without polarizing boss