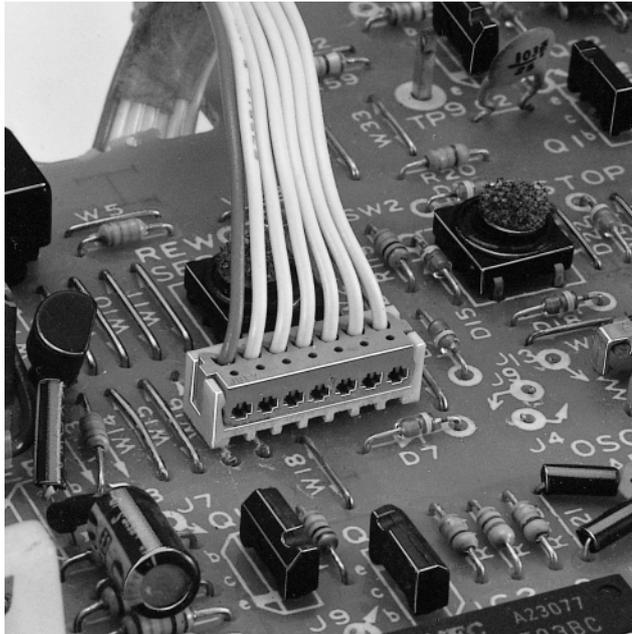


JST

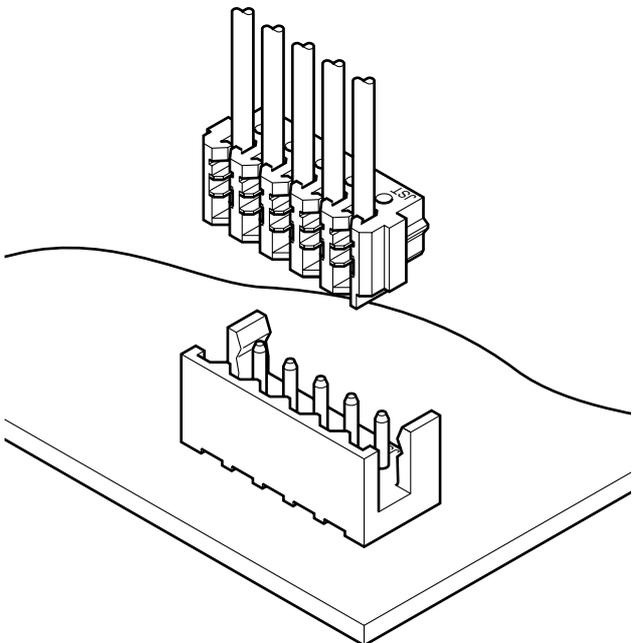
IDC

2.0mm
pitch

DR CONNECTOR

Disconnectable Insulation displacement connectors

Measuring 2.0mm in pitch, only 5.0mm in mounting height, and 4.8mm in thickness, the DR connector is a compact insulation displacement connector developed to meet the needs for miniaturization of electronic equipment, including VCRs, cameras and car stereo systems.



Features

• Compact

This connector measures 2.0mm in pitch, 5.0mm in mounting height, and 4.8mm in thickness.

• Twin U-slot insulation displacement section

The insulation displacement section connected to each wire consists of twin U-slot, which ensures reliable connection.

• Folded beam double-leaf contact construction

As contact become smaller, their spring strength is reduced. To solve this problem, a folded beam construction is employed to increase contact spring strength.

• Strain relief

A strain relief secures the wire insulation to protect the insulation displacement connection against vibration, impact and other external forces. A triangular projection on the shrouded header functions to prevent connector distortion during connection and disconnection, to reinforce the strain relief and to prevent the conductor of the insulation displacement section from being exposed.

Specifications

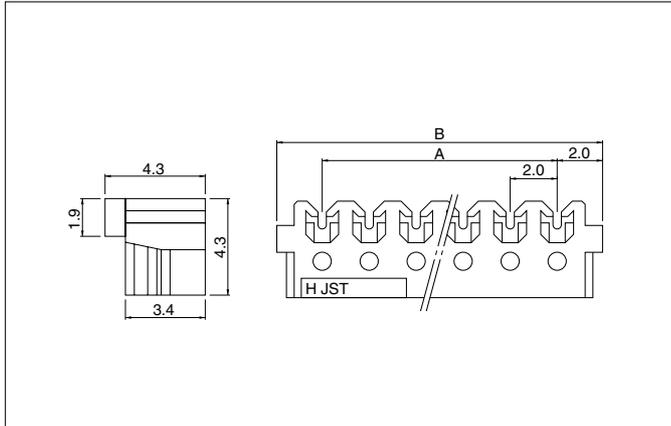
- Current rating: 1.0A AC, DC (AWG #26)
- Voltage rating: 100V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 800V AC/minute
- Applicable wire: UL1571, 1061(Contact JST for details regarding other UL wires.)
AWG #28, #26
Conductor/7 strands, tin-coated
Insulation O.D./0.9 to 1.0mm
- Applicable PC board thickness: 1.2 to 1.6mm
- * 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

Receptacle



Circuits	Model No.		Dimensions (mm)		Q'ty / box
	AWG #28 (blue)	AWG #26 (natural/white)	A	B	
2	02DR-N-E8E-P	02DR-N-E6S-P	2.0	6.0	2,000
3	03DR-N-E8E-P	03DR-N-E6S-P	4.0	8.0	2,000
4	04DR-N-E8E-P	04DR-N-E6S-P	6.0	10.0	1,000
5	05DR-N-E8E-P	05DR-N-E6S-P	8.0	12.0	1,000
6	06DR-N-E8E-P	06DR-N-E6S-P	10.0	14.0	1,000
7	07DR-N-E8E-P	07DR-N-E6S-P	12.0	16.0	1,000
8	08DR-N-E8E-P	08DR-N-E6S-P	14.0	18.0	1,000
9	09DR-N-E8E-P	09DR-N-E6S-P	16.0	20.0	500
10	10DR-N-E8E-P	10DR-N-E6S-P	18.0	22.0	500

Material and Finish

Contact: Phosphor bronze, tin-plated (reflow treatment)
Housing: PA 66, UL94V-0

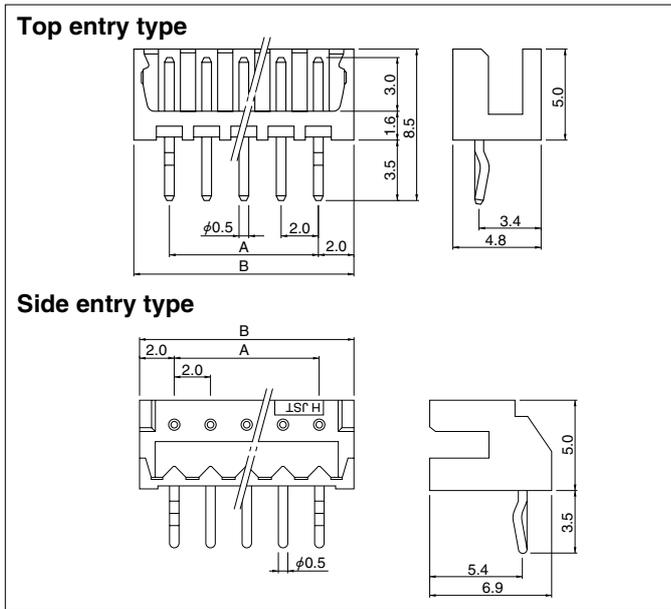
RoHS compliance

<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. **02DR-N-E8E-P**

standard color AWG#28: E...blue AWG#26: S...natural (white)
K...black R...red

Shrouded header



Circuits	Model No.		Dimensions (mm)		Q'ty / box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
2	B02-DR	S02B-DR	2.0	6.0	2,000	1,000
3	B03-DR	S03B-DR	4.0	8.0	1,000	1,000
4	B04-DR	S04B-DR	6.0	10.0	1,000	1,000
5	B05-DR	S05B-DR	8.0	12.0	1,000	1,000
6	B06-DR	S06B-DR	10.0	14.0	500	500
7	B07-DR	S07B-DR	12.0	16.0	500	500
8	B08-DR	S08B-DR	14.0	18.0	500	500
9	B09-DR	S09B-DR	16.0	20.0	500	500
10	B10-DR	S10B-DR	18.0	22.0	500	500

Material and Finish

Pin: Brass, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, ivory

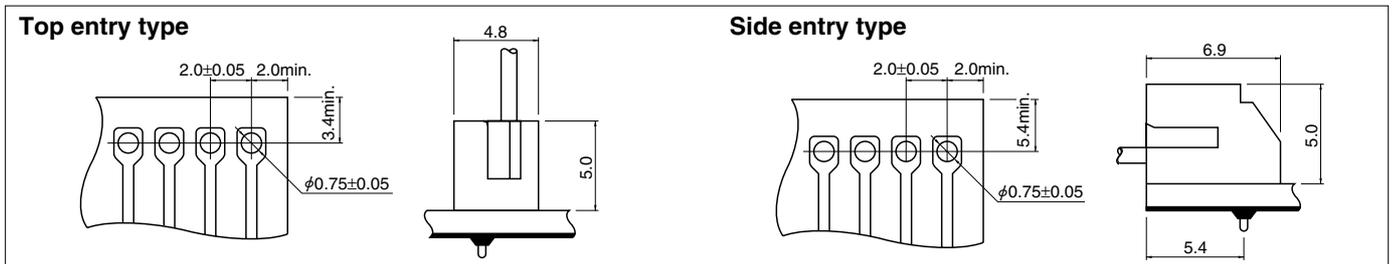
RoHS compliance

This product displays (LF)(SN) on a label. <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. **B02-DR-OO**

(blank)... ivory K...black R...red E...blue S...white

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



Note:

1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ 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.