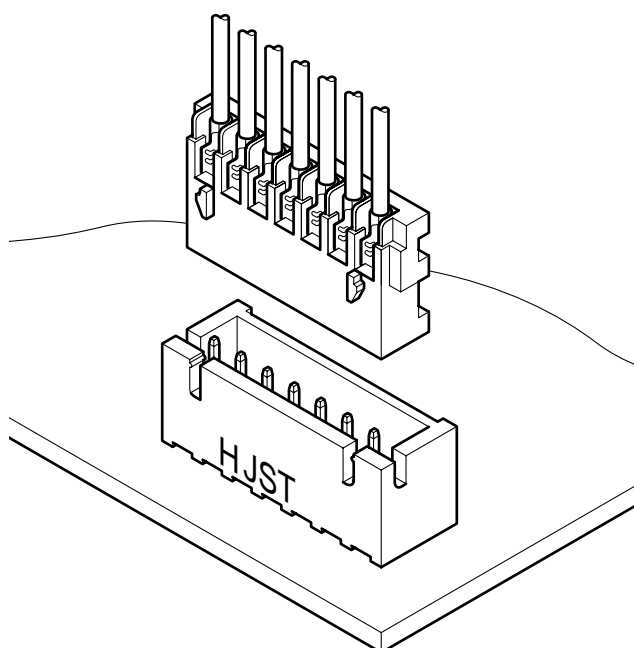
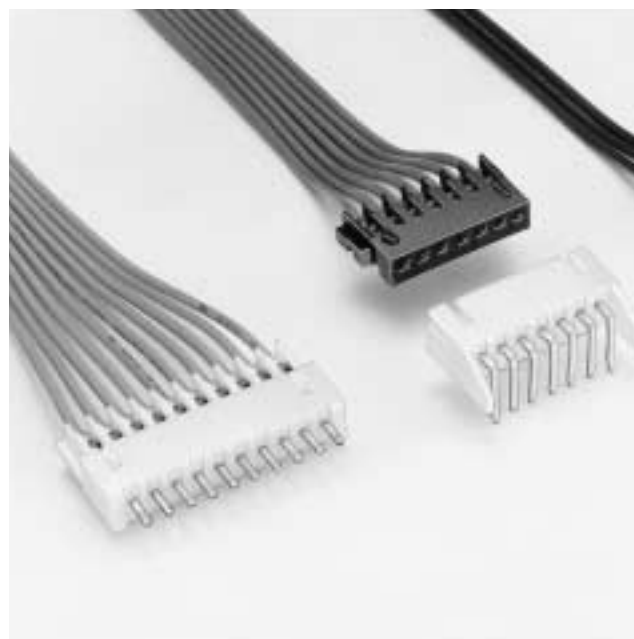
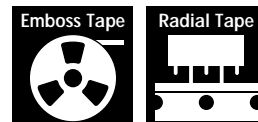


BR CONNECTOR

Insulation displacement connector - Matable with XH headers



Features

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

The insulation displacement section connected to the wire consists of two tin-plated slots (twin U-slot) for high reliability.

• **Thin design**

12.6mm (.496") mounting height with a width of only 5.75mm (.226"). The four-sided box-shaped shrouded header prevents the receptacle from being misinserted or pried during insertion and removal.

• **High reliability**

The contact has a dimple where it mates with the post to ensure a continuous gas tight connection. A metallic strain relief secures the wire so as to protect the insulation displacement connection against vibration, impact, and other external forces.

• **Interchangeability**

The shrouded header is interchangeable with those of crimp style XH connectors.

• **Conforming to the HA terminal**

The 4-circuit header conforms to the HA terminal specified in JEM1427 (Japanese Electric Machine Industry Association Standards).

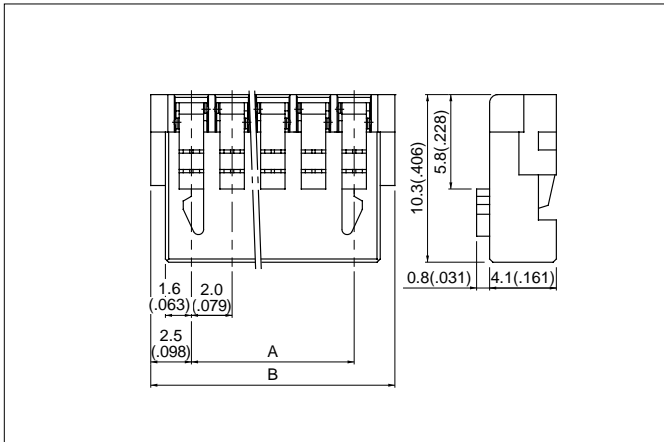
Specifications

- Current rating: 2A AC,DC(AWG #24)
 - Voltage rating: 250V 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: AC 1,000V/minute
 - Applicable wire: UL1007
(For other UL styles, contact JST.)
AWG #28,#26,#24
Conductor/7 strands, tin-coated
Insulation O.D./1.0mm to 1.5mm (.039" to .059")
 - Applicable PC board thickness: 1.6mm(.063")
- * Contact JST for details

Standards

- Recognized E60389
- 1 Certified LR20812
- 2 R9651157

Receptacle



Circuits	Model No.			Dimensions mm(in.)		Qty / box
	AWG #28 (green)	AWG #26 (natural/white)	AWG #24 (black)	A	B	
2	02BR-8M	02BR-6S	02BR-4K	2.5 (.098)	7.5 (.295)	1,000
3	03BR-8M	03BR-6S	03BR-4K	5.0 (.197)	10.0 (.394)	1,000
4	04BR-8M	04BR-6S	04BR-4K	7.5 (.295)	12.5 (.492)	1,000
5	05BR-8M	05BR-6S	05BR-4K	10.0 (.394)	15.0 (.591)	1,000
6	06BR-8M	06BR-6S	06BR-4K	12.5 (.492)	17.5 (.689)	1,000
7	07BR-8M	07BR-6S	07BR-4K	15.0 (.591)	20.0 (.787)	500
8	08BR-8M	08BR-6S	08BR-4K	17.5 (.689)	22.5 (.886)	500
10	10BR-8M	10BR-6S	10BR-4K	22.5 (.886)	27.5 (1.083)	500

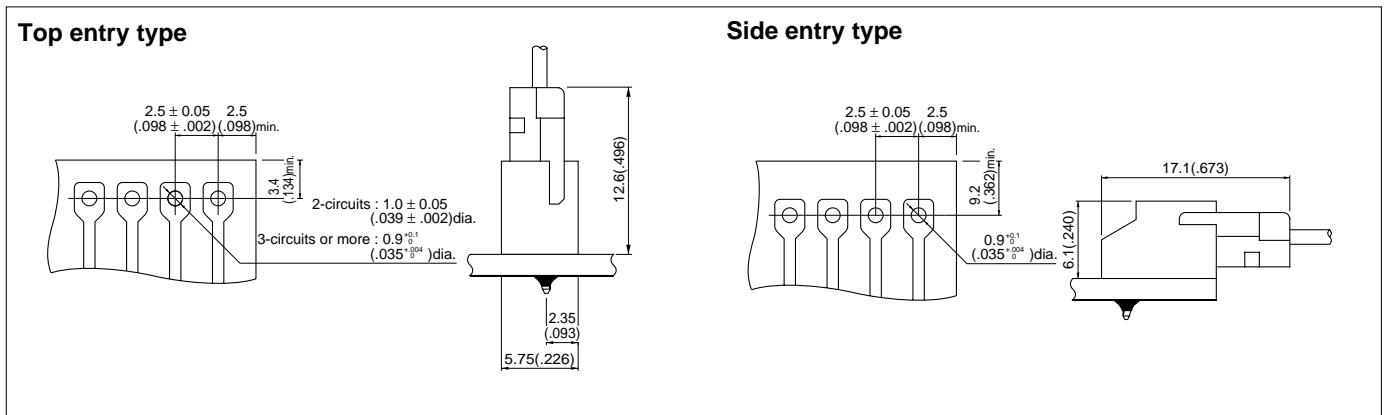
Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead plated
Housing: Nylon 66, UL94V-0

Shrouded header

The shrouded headers are interchangeable with those of the XH crimp style connectors, the NR and the NRD insulation displacement connectors, and the JQ board-to-board connectors.

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 printed circuit board and piercing method. If printed circuit boards made of hard material such as FR-4 are used, the hole dimensions should be larger. The hole dimensions shown above are reference values. Contact JST for details.