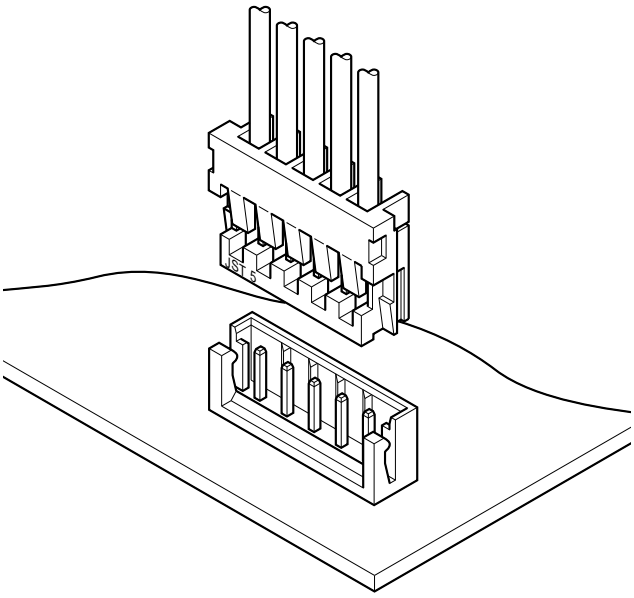
HR CONNECTOR

Radial Tape

2.5mm pitch/Disconnectable Insulation displacement connectors



This 2.5mm pitch connector for printed circuit boards has a thin construction. The in-line method provides high-density capability to the end user.

- **Twin U-slot insulation displacement section**
- **Thin design**
- **High reliability**
- **Strain relief**
- **Interchangeability**

Specifications

- Current rating: 2A AC, DC (AWG #24)
- Voltage rating: 250V AC, DC
- Temperature range: -25℃ to +85℃
  (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: 1,000V AC/minute
- Applicable wire: UL1007
  (Contact JST for details regarding other UL styles.)
  AWG #28, #26, #24
  Conductor/7 strands, tin-coated
  Insulation O.D./1.0 to 1.5mm
- Applicable PC board thickness: 0.8 to 1.6mm

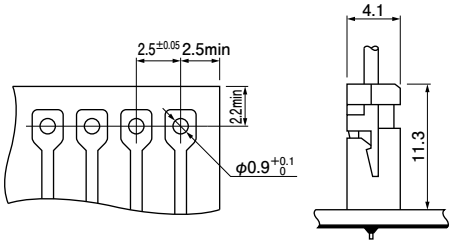
* RoHS2 compliance.
* In using the products,refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page)
* Contact JST for details.

Standards

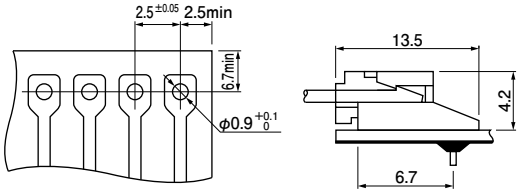
Recognized E60389
Certified LR20812
R50082349

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

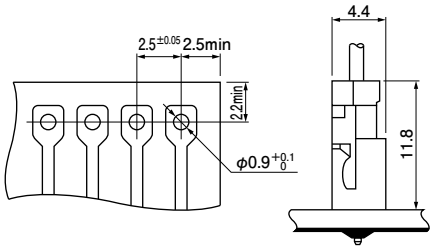
Top entry type



Side entry type

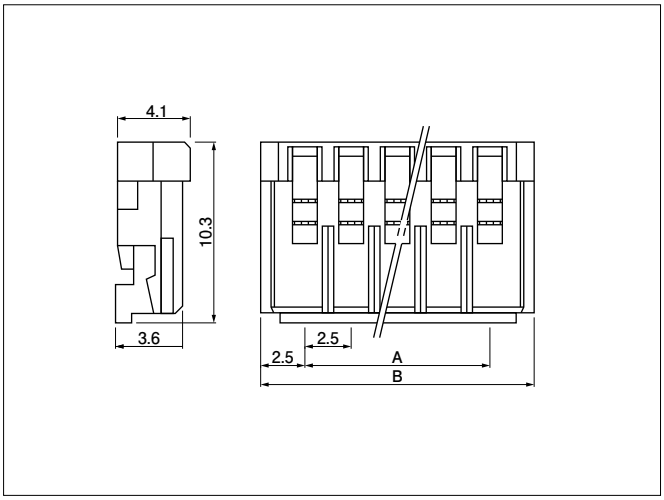


Top entry type on radial-tape



Note: 1. Tolerances are non-cumulative: ± 0.05mm for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.

Socket



No. of circuits	Model No.			Dimensions (mm)		Q'ty / box
	AWG #28 (green)	AWG #26 (natural/white)	AWG #24 (black)	A	B	
2	02HR-8M-P-N	02HR-6S-P-N	02HR-4K-P-N	2.5	7.5	1,000
3	03HR-8M-P-N	03HR-6S-P-N	03HR-4K-P-N	5.0	10.0	1,000
4	04HR-8M-P-N	04HR-6S-P-N	04HR-4K-P-N	7.5	12.5	1,000
5	05HR-8M-P-N	05HR-6S-P-N	05HR-4K-P-N	10.0	15.0	1,000
6	06HR-8M-P-N	06HR-6S-P-N	06HR-4K-P-N	12.5	17.5	1,000
7	07HR-8M-P-N	07HR-6S-P-N	07HR-4K-P-N	15.0	20.0	500
8	08HR-8M-P-N	08HR-6S-P-N	08HR-4K-P-N	17.5	22.5	500
9	09HR-8M-P-N	09HR-6S-P-N	09HR-4K-P-N	20.0	25.0	500
10	10HR-8M-P-N	10HR-6S-P-N	10HR-4K-P-N	22.5	27.5	500
11	11HR-8M-P-N	11HR-6S-P-N	11HR-4K-P-N	25.0	30.0	500
12	12HR-8M-P-N	12HR-6S-P-N	12HR-4K-P-N	27.5	32.5	500
13	13HR-8M-P-N	13HR-6S-P-N	13HR-4K-P-N	30.0	35.0	250
15	—	*15HR-6S-P-N	*15HR-4K-P-N	35.0	40.0	250

Material and Finish
Contact: coppe alloy, tin-plated (reflow treatment) Housing: PA 66, UL94V-0

Note: 1. Unlisted in TÜV.
2. Products marked with * are unlisted in UL/CSA.

Header

The headers are interchangeable with those of the EH and HR crimp style connectors.

Model number allocation

Socket

02 HR - 4 K - P - N

- No. of circuits: 2 to 13, 15 (AWG #28: 2 to 13)
- Series name
- Applicable wire range:
  4···AWG #24, 6···AWG #26, 8···AWG #28
- Color: Normal color: AWG #28: M···Green
  AWG #26: S···Natural (White)
  AWG #24: K···Black
  Others: R···Red, TR···Tomato red, Y···Yellow,
  L···Lemon yellow, N···Brown,
  E···Blue, O···Orange
- Surface finish: P···Tin-plated (reflow treatment)
- Supplementary symbol

Note: Depending on the colors, it may take some time for delivery.