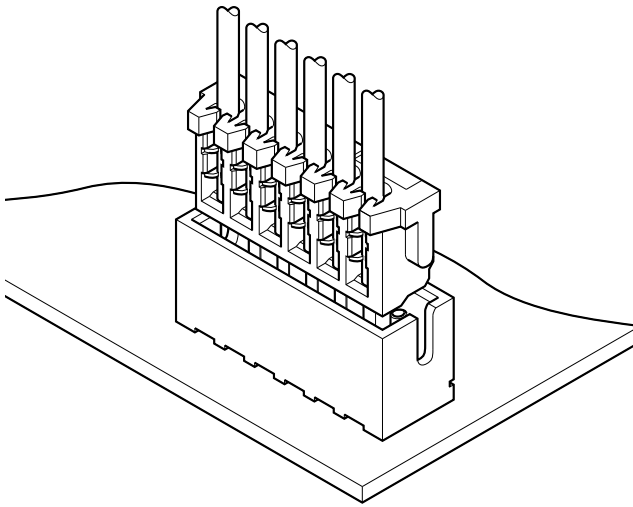




ZR CONNECTOR



1.5 mm pitch/Disconnectable Insulation displacement connectors



The twin U-slots (IDC slots), the 3-point insulation grip, and the distortion resistant disconnectable construction ensure a reliable connection even during severe environmental conditions.

- Compact
- Twin U-slot insulation displacement section
- 3-point grip construction
- Distortion resistant construction
- Compatible with the ZH crimp style connector

Specifications

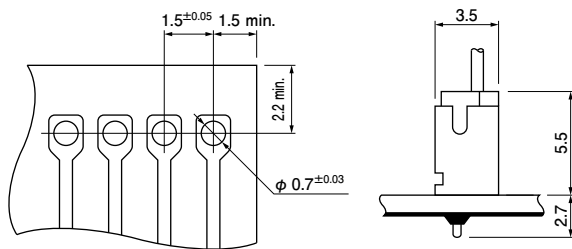
- Current rating: 0.7 A AC, DC (AWG #28)
- Voltage rating: 50 V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
After environmental testing/ 30 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: UL1571(Contact JST for details regarding other UL styles.)
AWG #30, #28
Conductor/ 7 strands, tin-coated
Insulation O.D./ 0.7 to 0.8 mm
(Contact JST for diameters greater than 0.8 mm.)
- Applicable PC board thickness: 0.6 to 1.2 mm, 1.6 mm
- * 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

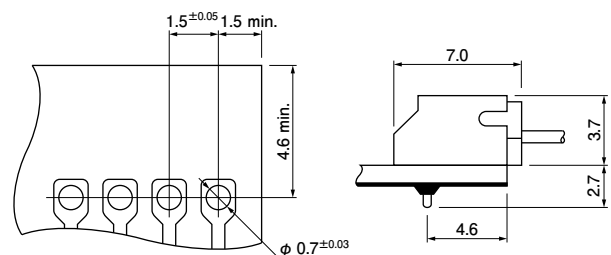
- Recognized E60389
- Certified LR20812

Through-hole type PC board layout (viewed from soldering side) and Assembly layout

Top entry type



Side entry type



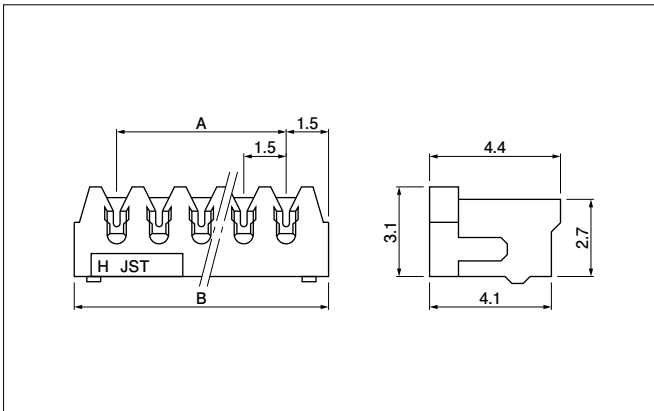
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.

2. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

3. As for the PC board layout for the SMT type shrouded headers, refer to that of the ZH connector.

ZR CONNECTOR

Socket



No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	AWG #30(natural/gray)	AWG #28(green)	A	B	
2	02ZR-3H-P	02ZR-8M-P	1.5	4.5	2,000
3	03ZR-3H-P	03ZR-8M-P	3.0	6.0	2,000
4	04ZR-3H-P	04ZR-8M-P	4.5	7.5	2,000
5	05ZR-3H-P	05ZR-8M-P	6.0	9.0	2,000
6	06ZR-3H-P	06ZR-8M-P	7.5	10.5	2,000
7	07ZR-3H-P	07ZR-8M-P	9.0	12.0	2,000
8	08ZR-3H-P	08ZR-8M-P	10.5	13.5	2,000
9	09ZR-3H-P	09ZR-8M-P	12.0	15.0	2,000
10	10ZR-3H-P	10ZR-8M-P	13.5	16.5	2,000
11	11ZR-3H-P	11ZR-8M-P	15.0	18.0	2,000
12	12ZR-3H-P	12ZR-8M-P	16.5	19.5	2,000
13	13ZR-3H-P	13ZR-8M-P	18.0	21.0	2,000

Material and Finish

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

RoHS compliance

Note: Unlisted in the TÜV standard.

Header

The headers are interchangeable with those of the ZH crimp style connectors.

Model number allocation

Socket

02 ZR - 3 H - P	
No. of circuits: 2 to 13	
Series name	
Applicable wire range: 3...AWG #30 8...AWG #28	
Color: Standard color: AWG #30: H...Gray AWG #28: M...Green Others: K...Black, R...Red, E...Blue	
Surface finish: P...Tin-plated (reflow treatment)	

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