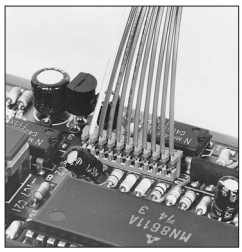
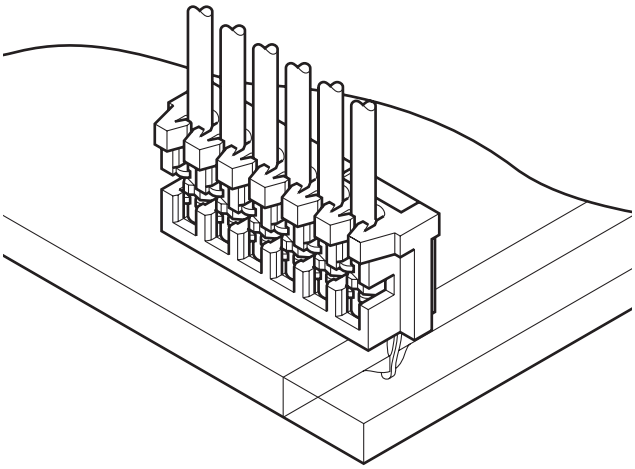


ZA CONNECTOR

1.5mm pitch/Board-in Insulation displacement connectors



This newly designed insulation displacement board-in connector features twin slots provided at the insulation displacement section. This is the most important section of the insulation displacement connector contact, and has an insulation barrel located between the twin slots. The insulation barrel firmly grips and secures the wire during insulation displacement connection to protect the insulation displacement section from possible damage. Due to significant increases in connection reliability, insulation displacement connection has become possible with this 1.5mm pitch board-in connector.

- ***Compact, direct mounting 1.5mm pitch insulation displacement board-in connector***
- ***Twin-slot insulation displacement section***
- ***Insulation barrel construction***
- ***3-point grip construction***

Specifications

- Current rating: 0.7A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25˚C to +85˚C (including temperature rise in applying electrical current)
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: UL1571(Contact JST for details regarding other UL styles.)
  AWG #30, #28
  (Contact JST if AWG #30 wire is to be used.)
  Conductor/7 strands, tin-coated
  Insulation O.D./0.7 to 0.8mm
  (Contact JST for diameters greater than 0.8mm)
- Applicable PC board thickness: 0.6 to 1.2mm

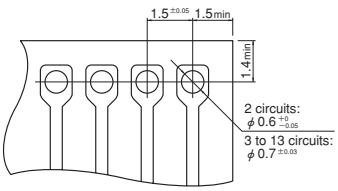
* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

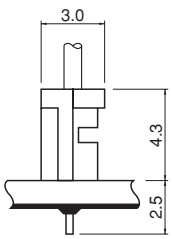
Standards

Recognized E60389

Certified LR20812

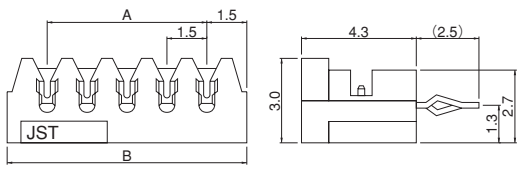
PC board layout (viewed from soldering side) and Assembly layout





Note: 1. Tolerances are non-cumulative: ±0.05mm 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.
3. Pulling or otherwise putting a strain on the harness attached to the connector before the solder has completely cooled can dislodge the connector or cause its misalignment.
4. Do not reuse connectors that were previously soldered and then removed from a PC board.

Connector



Circuits	Model No.		Dimensions (mm)		Q'ty / box
	AWG #30(natural/gray)	AWG #28(green)	A	B	
2	**02ZA-3H**	**02ZA-8M**	1.5	4.5	2,000
3	**03ZA-3H**	**03ZA-8M**	3.0	6.0	2,000
4	**04ZA-3H**	**04ZA-8M**	4.5	7.5	2,000
5	**05ZA-3H**	**05ZA-8M**	6.0	9.0	2,000
6	**06ZA-3H**	**06ZA-8M**	7.5	10.5	2,000
7	**07ZA-3H**	**07ZA-8M**	9.0	12.0	1,000
8	**08ZA-3H**	**08ZA-8M**	10.5	13.5	1,000
9	**09ZA-3H**	**09ZA-8M**	12.0	15.0	1,000
10	**10ZA-3H**	**10ZA-8M**	13.5	16.5	1,000
11	**11ZA-3H**	**11ZA-8M**	15.0	18.0	1,000
12	**12ZA-3H**	**12ZA-8M**	16.5	19.5	1,000
13	**13ZA-3H**	**13ZA-8M**	18.0	21.0	500

Material and Finish

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

RoHS compliance *This product displays (LF)(SN) on a label.*
Note: Contact JST if AWG #30 wire is to be used.

<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. **02ZA-3H**
H…gray [standard color for AWG#30]
M…green [standard color for AWG#28]