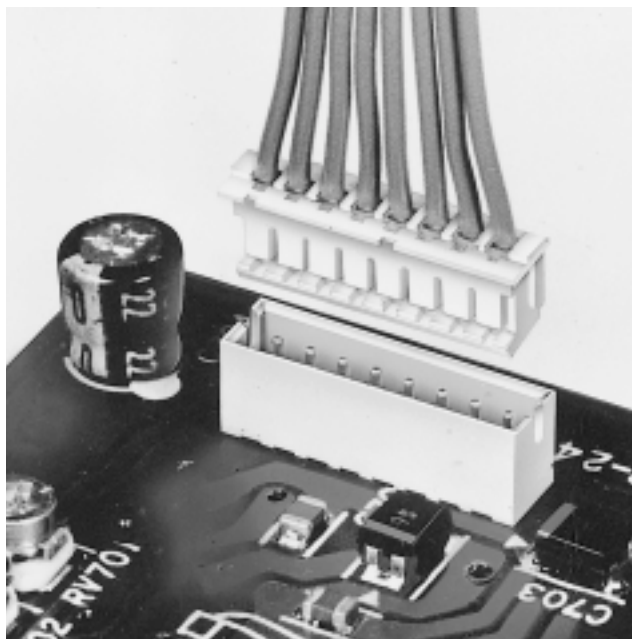
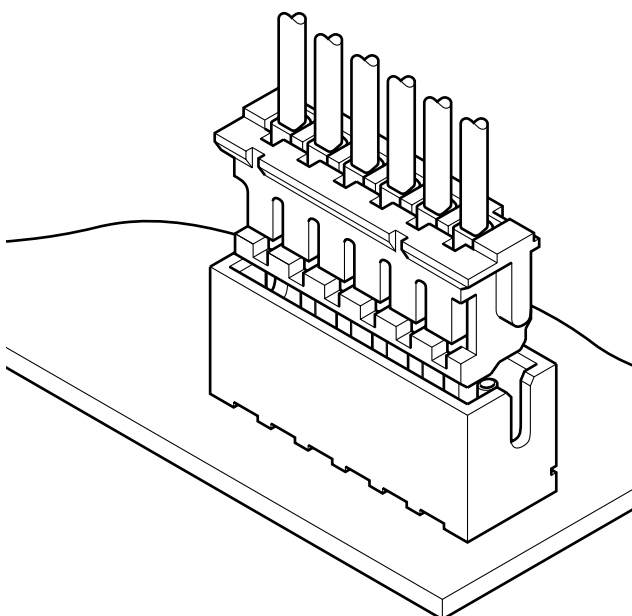


# ZH CONNECTOR

Disconnectable Crimp style connectors



**The ZH connector is very small with a mounting height of 5.6mm (.220") and a thickness of only 3.5mm (.138"). Contact retention lances on the housing make insertion easier, while the dimple at the center of the contact ensures reliable contact with the post.**



## Features

### • Compact, low profile design

The ZH connector requires only about 45% of the installation space required by the standard JST 2.0mm (.079") pitch connector.

### • Housing lances

The contact retention lances on the resilient housing allow visual confirmation of contact lock-in for easy and secure insertion.

### • Reliable contact construction

The dimple at the center of the contact ensures positive contact and low contact resistance at all times, even when the connector is subjected to vibration or distortion. Therefore this connector is ideal for use under low current, low voltage conditions.

### • Distortion resistant construction

The header is fully shrouded and thus protects the receptacle from damage that could be caused by mating the connectors at an angle or by otherwise mismatching the connectors.

### • Compatible with the ZR insulation displacement connectors

The same shrouded header can be used for either the ZR IDC-style connector or the ZH crimp style connector. This allows both types of connector to be used interchangeably without replacing the header.

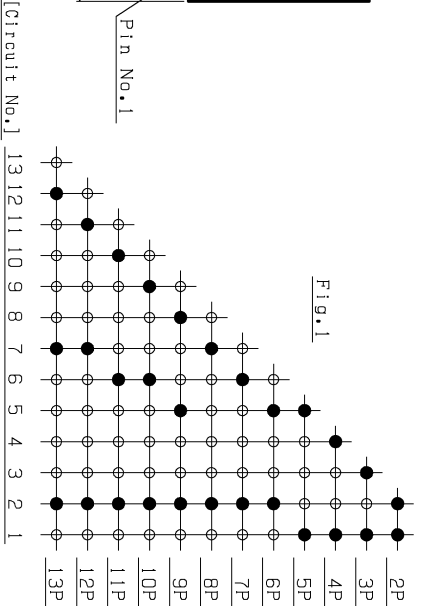
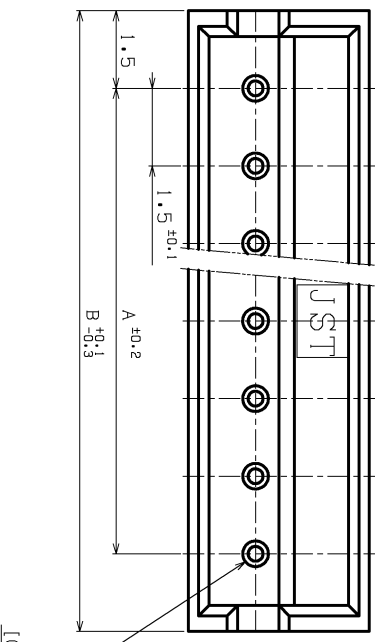
## Specifications

- Current rating: 1.0A AC, DC (AWG #26)
  - Voltage rating: 50V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/20m Ω max.  
After environmental testing/30m Ω max.
  - Insulation resistance: 500M Ω min.
  - Withstanding voltage: 500V AC/minute
  - Applicable wire: AWG #32 to #26
  - Applicable PC board thickness: 0.6 to 1.2mm (.024" to .047"),  
1.6mm (.063")
- \* Contact JST if Lead-Free product is required.  
\* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.  
\* Contact JST for details.

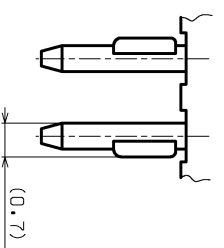
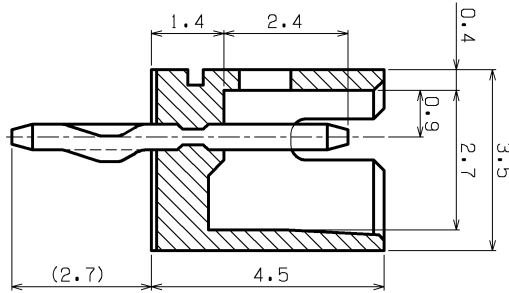
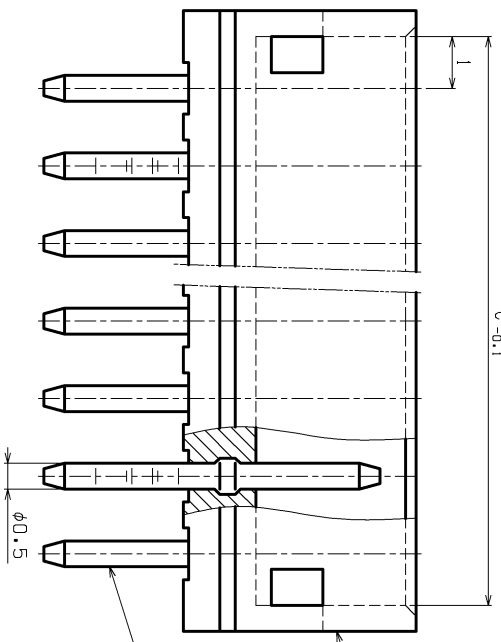
## Standards

- Recognized E60389
- 1 Certified LR20812
- 2 R9351092

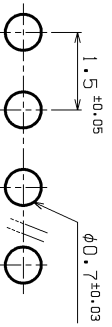
REV.	DESCRIPTION	DATE	DESIGNED



Part No.	A	B	C
B2B-ZR-( ) (LF) (SN)	1.5	4.5	3.5
B3B-ZR-( ) (LF) (SN)	3.0	6.0	5.0
B4B-ZR-( ) (LF) (SN)	4.5	7.5	6.5
B5B-ZR-( ) (LF) (SN)	6.0	9.0	8.0
B6B-ZR-( ) (LF) (SN)	7.5	10.5	9.5
B7B-ZR-( ) (LF) (SN)	9.0	12.0	11.0
B8B-ZR-( ) (LF) (SN)	10.5	13.5	12.5
B9B-ZR-( ) (LF) (SN)	12.0	15.0	14.0
B10B-ZR-( ) (LF) (SN)	13.5	16.5	15.5
B11B-ZR-( ) (LF) (SN)	15.0	18.0	17.0
B12B-ZR-( ) (LF) (SN)	16.5	19.5	18.5
B13B-ZR-( ) (LF) (SN)	18.0	21.0	20.0



NOTE  
 1. Unless otherwise specified, tolerances are  $\pm 0.3$   
 2. Pins marked in black as shown on Fig. 1 shall be clinch formed.  
 3. Tolerance of hole pitch on PCB are not cumulative.



Recommendable P.C.Board hole layout

Part No.	Color
B ( ) B-ZR (LF) (SN)	Natural
B ( ) B-ZR-K (LF) (SN)	Black
B ( ) B-ZR-R (LF) (SN)	Red
B ( ) B-ZR-E (LF) (SN)	Blue
B ( ) B-ZR-Y (LF) (SN)	Yellow
B ( ) B-ZR-M (LF) (SN)	Green

2	WAFER	66NYLON(G.F.)	UL94V-0
1	PIN	BRASS	
No.	PART NAME	MATERIAL	REMARKS
A3	METRIC 10:1	NOV.11.2004	
APPROVED	CHECKED	DESIGNED	DRAWN
S.K		D.A	N.H
SERIES NAME	ZR CONNECTOR	CUSTOMER	
PART No.	B ( ) B-ZR-( ) (LF) (SN)	DRAWING No.	KRD-33634-1
			RO

**JST** J.S.T.MFG.CO.,LTD.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO J.S.T. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.