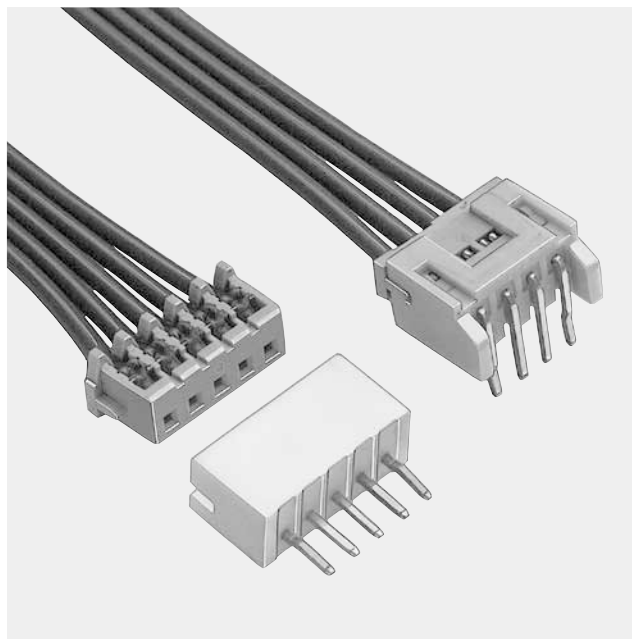


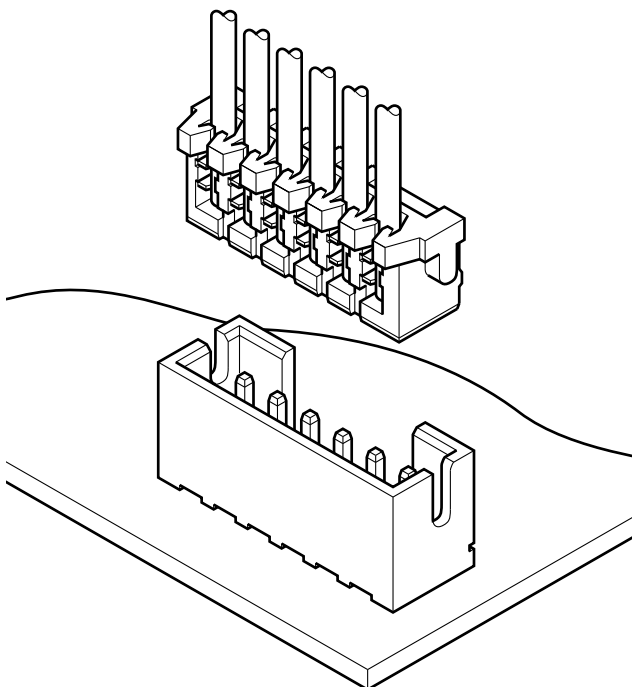
CR CONNECTOR



Disconnectable Insulation displacement connectors



The CR 2.0mm insulation displacement connector features a mounting height as low as 6.9mm and a thickness as thin as 4.8mm (for top entry type). It's suitable for interconnection of UL1007 electric wires in a wide range of electrical and electronic equipment such as VCRs and video cameras.



Features

• Designed for connection of UL1007 wires

The 2.0mm pitch insulation displacement connector allows automatic harness production for connection of UL1007 wires.

• Folded beam double-leaf contact construction

The contact springs are folded to increase their effective strength. This design provides a safety margin that allows the contacts to endure the distortion of misinsertion without being permanently distorted.

• Twin U-slot insulation displacement section

The insulation displacement section connected to the wire consists of twin U-slot for high reliability.

• Strain relief

The strain relief feature prevents stress caused by vibration, impact or bending from effecting the insulation displacement connection. This is accomplished by holding the outside of the wire with the insulation gripping device on the housing. To protect circuit integrity from vibration and undue tension, ample clearance is provided between the insulation displacement connection and the strain relief.

• Interchangeability

The headers of the top and side entry type CR connectors are interchangeable with the KR and KRD insulation displacement and PH crimp style connectors.

Specifications

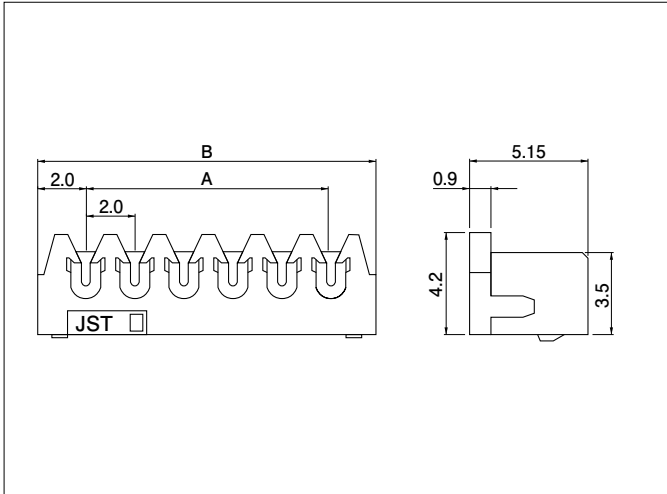
- Current rating: 1.0A AC, DC
- Voltage rating: 100V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.
After environmental testing/20mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 800V AC/minute
- Applicable wire: UL1007 (Contact JST for details regarding other UL wires.)
AWG #26
Conductor/7 strands, tin-coated
Insulation O.D./1.3mm max.
- Applicable PC board thickness: 0.8 to 1.6mm
- * 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

CR CONNECTOR

Socket



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	02CR-6H-P	2.0	6.0	2,000
3	03CR-6H-P	4.0	8.0	2,000
4	04CR-6H-P	6.0	10.0	2,000
5	05CR-6H-P	8.0	12.0	2,000
6	06CR-6H-P	10.0	14.0	2,000
7	07CR-6H-P	12.0	16.0	2,000
8	08CR-6H-P	14.0	18.0	1,000
9	09CR-6H-P	16.0	20.0	1,000
10	10CR-6H-P	18.0	22.0	1,000
11	11CR-6H-P	20.0	24.0	1,000
12	12CR-6H-P	22.0	26.0	1,000

Material and Finish

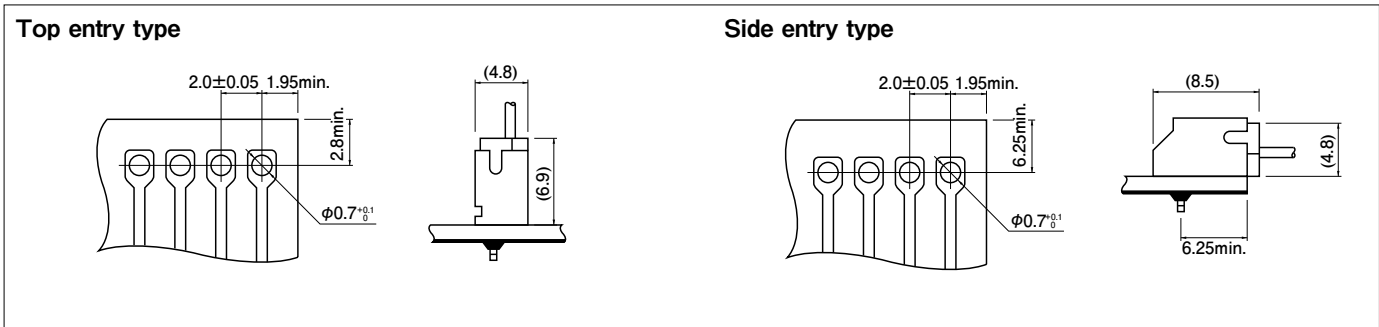
Post: Phosphor bronze, tin-plated (reflow treatment)
Housing: Glass-filled PA 66, UL94V-0, gray

RoHS compliance

Header

The headers are interchangeable with the PH crimp style connectors, and KR / KRD insulation displacement connectors.

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



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.

2. Hole dimensions differ according to the type of PC board and piercing method. If PC boards made of hard materials are used, the hole dimensions should be larger. The hole dimensions shown above are reference values.

Contact JST for details.

3. Refer to the PH crimp style connector for the PC board layout of the SMT type header.

Model number allocation

Socket

