



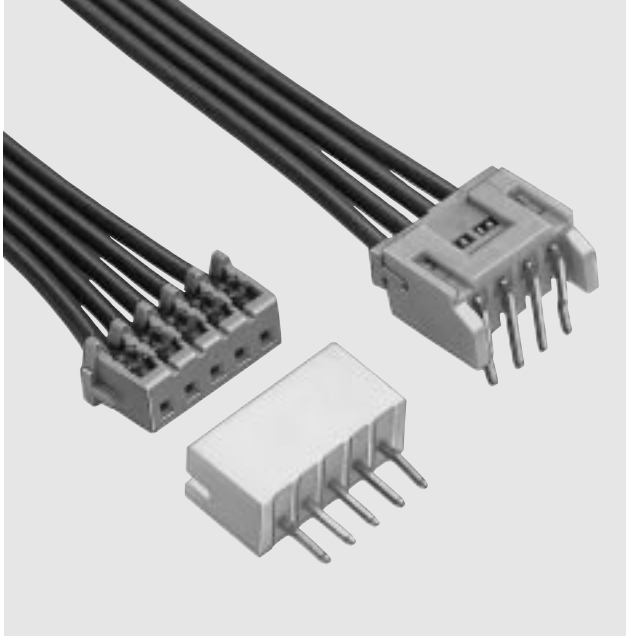
JST

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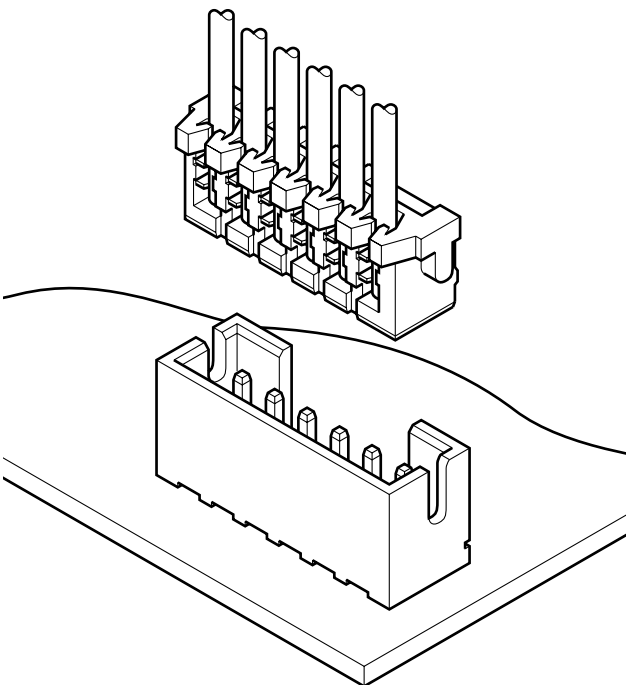
2.0mm
(.079") pitch

CR CONNECTOR

Disconnectable Insulation displacement connectors



The CR 2.0mm (.079") insulation displacement connector features a mounting height as low as 6.9mm (.272") and a thickness as thin as 4.8mm (.189") (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 (.079") 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 two tin-plated slots (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 shrouded headers of the top and side entry type CR connectors are interchangeable with the KR and KRD insulation displacement and PH crimp style connectors.
- **Surface mount model (SMT)**
This connector is also available in a surface mount configuration. Its housing is made of heat resistant resin so that it is not adversely affected during reflow soldering. Because of its tiny size and ability to be surface mounted, this connector meets the demand for high-density mounting of components inside electronic products.

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: AWG #26
UL1007 (Contact JST for details regarding other ULwires.)
Conductor/7 strands, tin-coated
Insulation O.D./1.3mm max.(.051")
 - Applicable PC board thickness: 0.8 to 1.6mm(.031" to .063")
- * Contact JST for details.

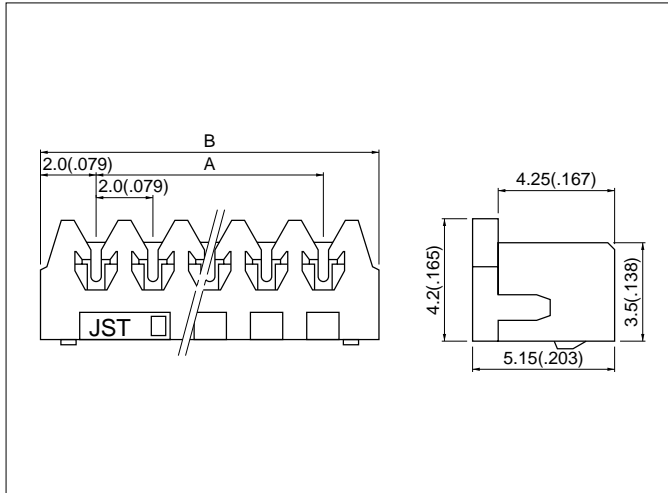
Standards

Recognized file No. E60389

Certified file No. LR20812

CR CONNECTOR

Receptacle



Circuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	02CR-6H	2.0(.079)	6.0(.236)	2,000
3	03CR-6H	4.0(.157)	8.0(.315)	2,000
4	04CR-6H	6.0(.236)	10.0(.394)	2,000
5	05CR-6H	8.0(.315)	12.0(.472)	2,000
6	06CR-6H	10.0(.394)	14.0(.551)	2,000
7	07CR-6H	12.0(.472)	16.0(.630)	2,000
8	08CR-6H	14.0(.551)	18.0(.709)	1,000
9	09CR-6H	16.0(.630)	20.0(.787)	1,000
10	10CR-6H	18.0(.709)	22.0(.866)	1,000
11	11CR-6H	20.0(.787)	24.0(.945)	1,000
12	12CR-6H	22.0(.866)	26.0(1.024)	1,000

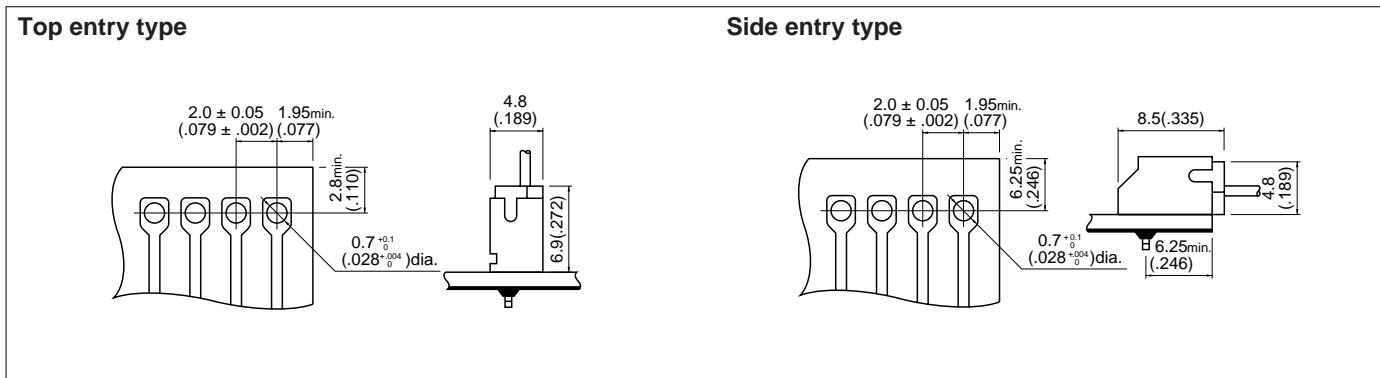
Material and Finish

Post: Phosphor bronze, tin-plated
 Wafer: Glass-filled nylon 66, UL94V-0

Through-hole type shrouded header

The shrouded headers are interchangeable with the PH crimp style connectors and KR, and KRD insulation displacement connectors (see pages 7, 139 & 141).

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



- Note:
1. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ for all centers.
 2. Hole dimensions differ according to the kind of PC board and piercing method. If PC boards are made of hard materials such as FR-4 are used, the hole dimensions should be larger. The hole dimensions shown above are reference values. Contact JST for details.

SMT type shrouded header

The shrouded headers are interchangeable with those of the PH crimp style connectors and KR, and KRD insulation displacement connectors (see pages 7, 133 & 135).