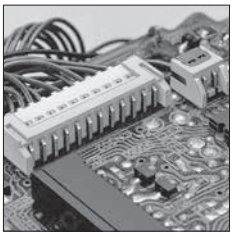
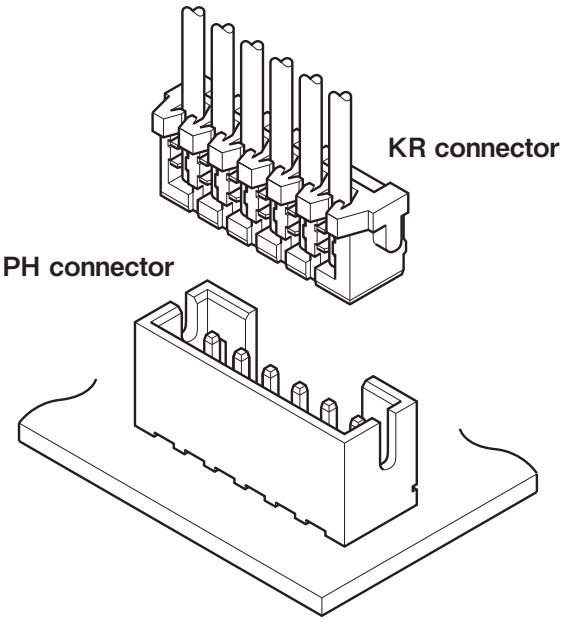


KR CONNECTOR

2.0 mm pitch/Wire-to-Board connectors/IDC style and Mating style



This is a 2.0 mm pitch, single row, IDC style connector for Wire-to-Board connections.
It has a compact, low profile feature with a mating height of 6.9 mm and a depth of 4.8 mm.
(When used with top-entry type, through-hole header)

- Dual-leaf contact design
- Twin U-slot insulation displacement section
- Excellent strain relief for wire retention and reduction of mechanical load on IDC contacts
- Interchangeable with crimp style PH connector
- The PH crimp style connector and KR IDC style connector utilize the same PH header.

■ Specifications

- Current rating: 1 A AC/DC (AWG #26)
- Voltage rating: 100 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
  After test/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:
  There shall be no breakdown or flashover while applying 800 VAC for one minute.
- Applicable wire:
  UL style/ UL1571, UL1061
  Note 1: Please contact JST for details regarding the use of other UL style wires.
  Note 2: UL1061 is the standard applicable wire for KR connectors with 13 circuits or higher.
  Wire specification/ AWG #28, AWG #26
  7 strand, tin-plated, annealed copper conductor
  Insulation O.D./ ϕ 0.9 mm to ϕ 1.0 mm
- Applicable PC board thickness: 0.8 mm to 1.6 mm
  Note: For through-hole type.

* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

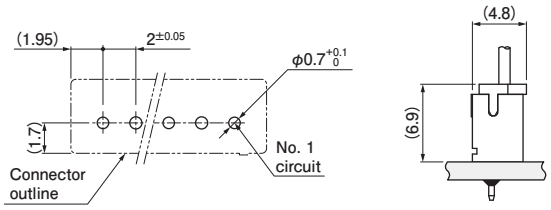
■ Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).
* Specifications registered to overseas standards may differ from the general specifications listed above.

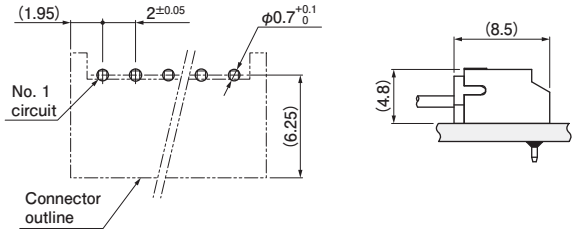
JST

PC board layout and Assembly layout (Through-hole type)

Top entry type



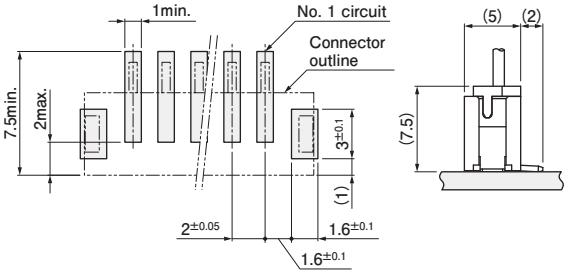
Side entry type



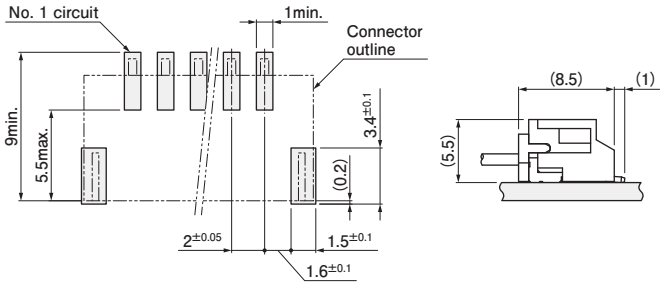
Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerance for the PCB hole pitch shall be ± 0.05 and shall not accumulate.
3. Hole dimensions differ depending on the type of PCB and PCB drilling method.
When using PCB made of hard material composed of fiberglass cloth, please consider a larger hole diameter.
The above dimensions are for reference only. Please contact JST for further details.

PC board layout and Assembly layout (SMT type)

Top entry type



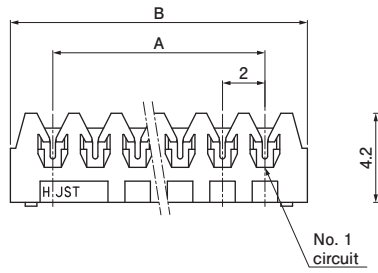
Side entry type



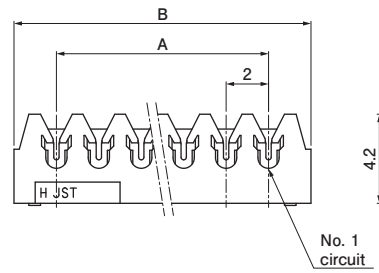
Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerance for the PCB pattern pitch shall be ± 0.05 and shall not accumulate.
The above dimensions are for reference only. Please contact JST for further details.

Connector

<2 to 12 circuits>



<13 to 16 circuits>



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	**02KR-6H-P**	2.0	6.0	2,000
3	**03KR-6H-P**	4.0	8.0	2,000
4	**04KR-6H-P**	6.0	10.0	2,000
5	**05KR-6H-P**	8.0	12.0	2,000
6	**06KR-6H-P**	10.0	14.0	2,000
7	**07KR-6H-P**	12.0	16.0	1,000
8	**08KR-6H-P**	14.0	18.0	1,000
9	**09KR-6H-P**	16.0	20.0	1,000
10	**10KR-6H-P**	18.0	22.0	1,000
11	**11KR-6H-P**	20.0	24.0	1,000
12	**12KR-6H-P**	22.0	26.0	1,000
13	**13KR-6H-P**	24.0	28.0	500
14	**14KR-6H-P**	26.0	30.0	500
15	**15KR-6H-P**	28.0	32.0	500
16	**16KR-6H-P**	30.0	34.0	500

Material and Surface finish, etc.
Contact: Copper alloy, tin-plated Housing: 2 to 12 circuits/ PA, gray 13 to 16 circuits/ PA (GF), gray

Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Header

The PH crimp style connector and KR IDC style connector utilize the same PH header.
Please refer to the PH connector catalog for details.

Model number allocation

02 KR - 6 H - P

- No. of circuits
- Series name
- Applicable wire: AWG #26, AWG #28
- Color: Standard color H···gray
  Others K···black, E···blue, R···red
- Surface finish: Tin-plated