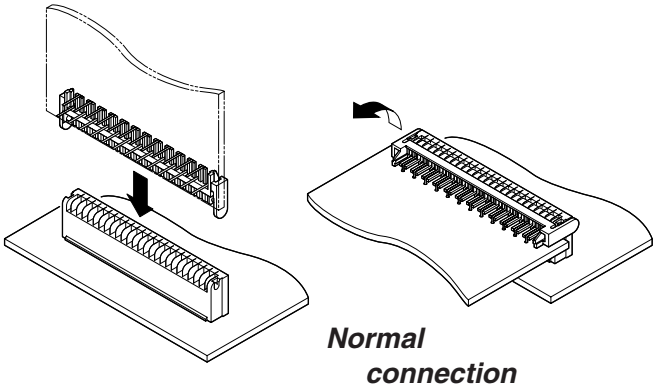
JST

2.0mm pitch

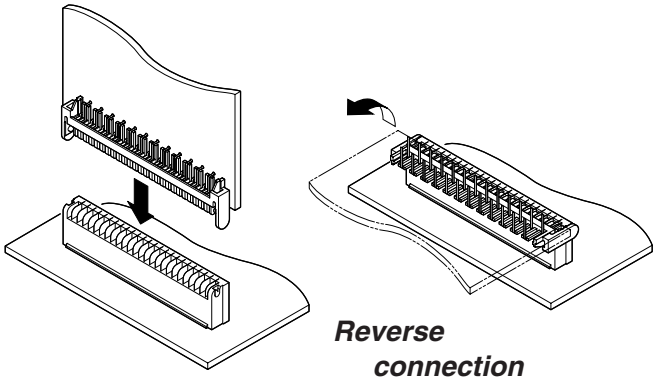
HQF CONNECTOR

Hinge type Board-to-board Connectors

Hinge type board to board connectors which allow mated PCB's to move 90° in respect to one another while electricity is turned on. The hinge compensates for slight misalignments between circuit boards to assure a secure connection even if the boards are laterally out of line.



Normal connection



Reverse connection

Features

• Hinged connection

With hinge construction, the HQF connector features flexibility. Thus this board to board connector allows mated PCB's to move 90˚ in respect to one another while electricity is turned on. Circuit checks can be made in any rotational position.

• Flexible connection absorbs slight misalignments between boards

Securely connected even if the adjoining boards are laterally out of line.

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/ 40m Ω max.
  After environmental testing/ 80m Ω max.
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable PC board thickness: 1.6mm

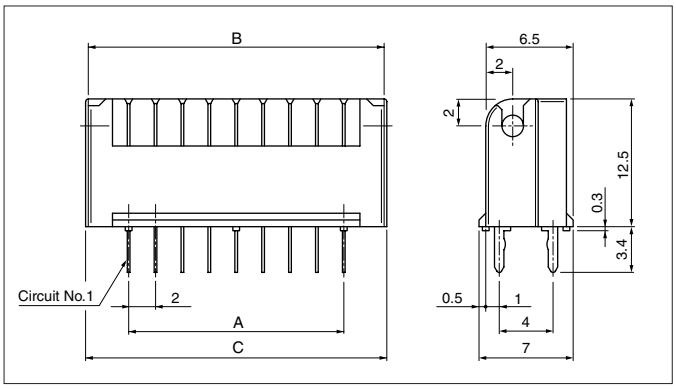
* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E60389

Certified LR20812

Plug

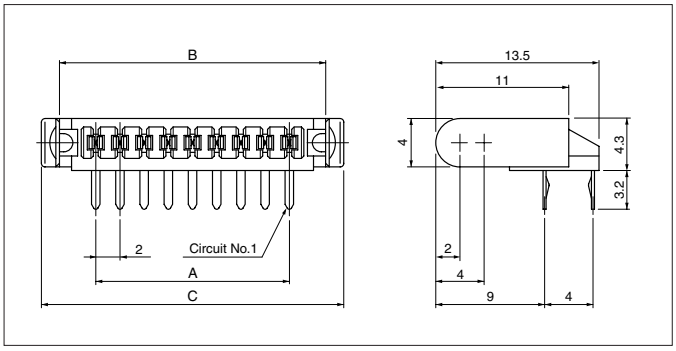


Circuits	Model No.	Dimensions (mm)			Q'ty / box
		A	B	C	
15	**15PL-HQF-A**	28.0	34.0	34.4	275
35	**35PL-HQF-A**	68.0	74.0	74.4	125

Material and Finish
Contact: Phosphor bronze, tin-plated (reflow treatment) Housing: Glass-filled PA 66, UL94V-0

RoHS compliance

Receptacle

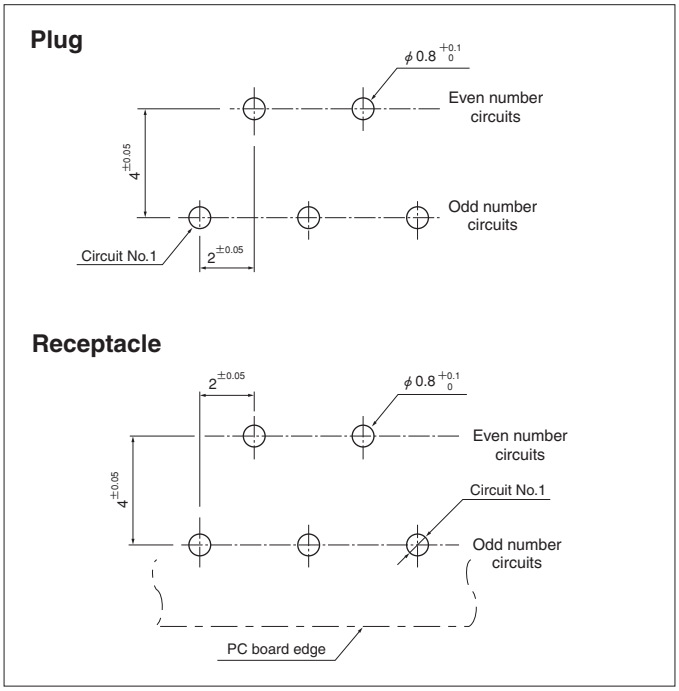


Circuits	Model No.	Dimensions (mm)			Q'ty / box
		A	B	C	
15	**15R-HQF-A**	28.0	34.0	37.0	220
25	**25R-HQF-A**	48.0	54.0	57.0	140
35	**35R-HQF-A**	68.0	74.0	77.0	100

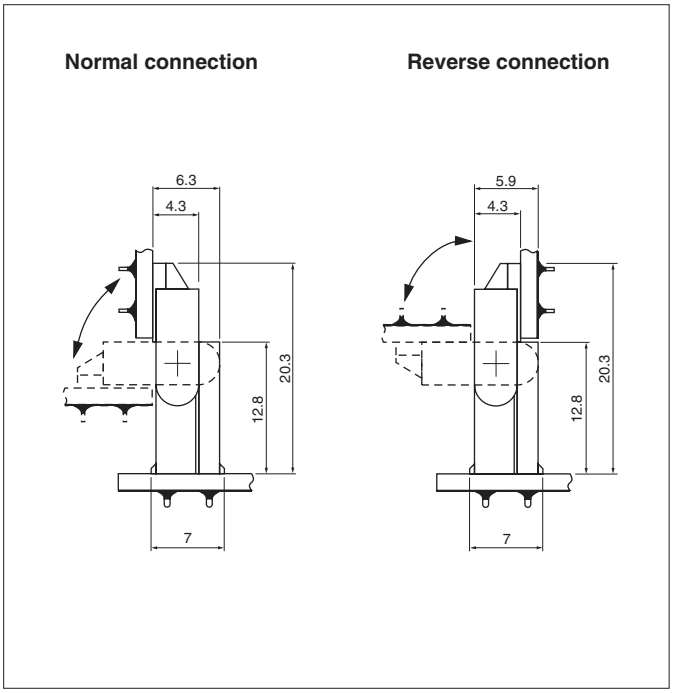
Material and Finish
Contact: Phosphor bronze, tin-plated (reflow treatment) Housing: Glass-filled PA 66, UL94V-0

RoHS compliance

PC board layout *(viewed from component side)*



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.