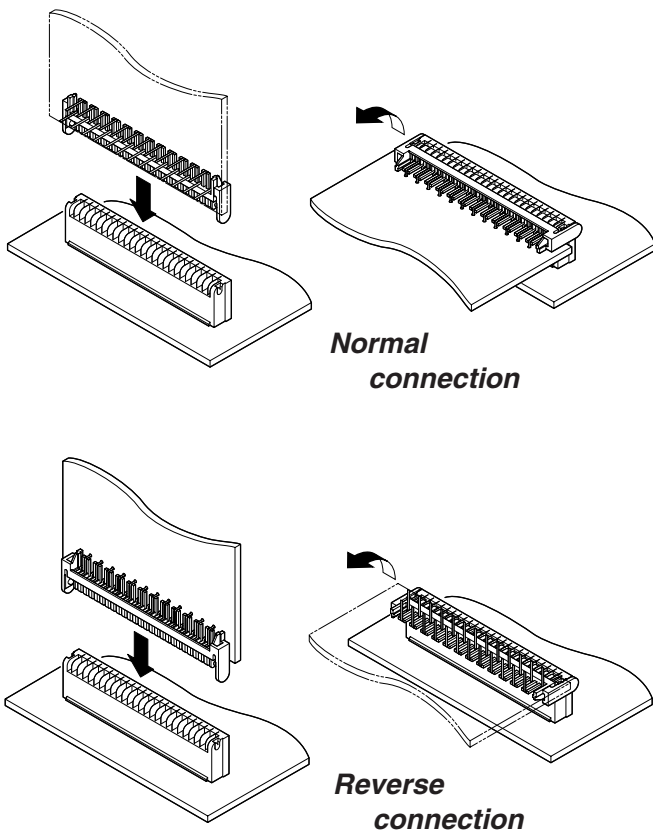


# HQF CONNECTOR

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.**



## 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: 1.0 A AC, DC
- Voltage rating: 100 V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 40 mΩ max.  
After environmental tests/ 80 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable PC board thickness: 1.6 mm

\* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

\* Contact JST for details.

\* Compliant with RoHS.

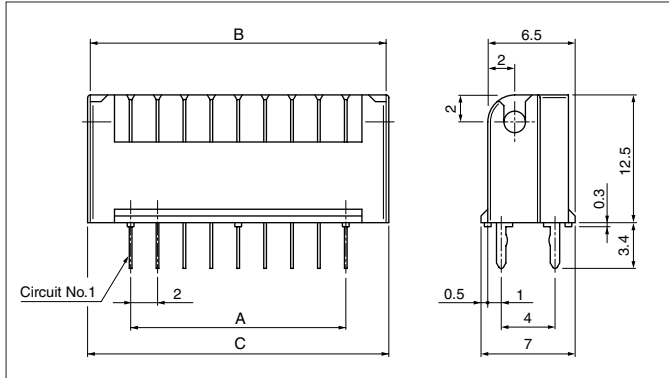
## Standards

Recognized E60389

Certified LR20812

# HQF CONNECTOR

## Plug



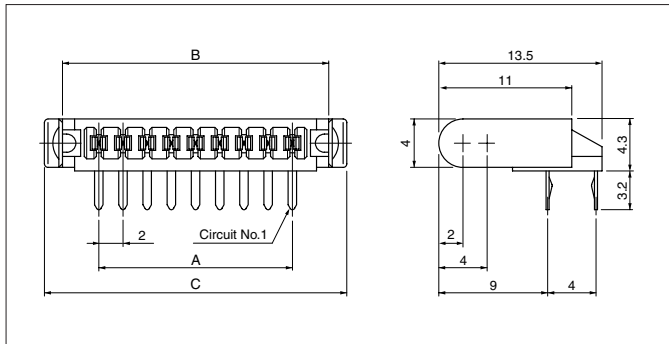
Circuits	Model No.	Dimensions (mm)			Q'ty / box
		A	B	C	
15	<b>15PL-HQF-A</b>	28.0	34.0	34.4	275

### Material and Finish

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

**RoHS compliance**

## Receptacle



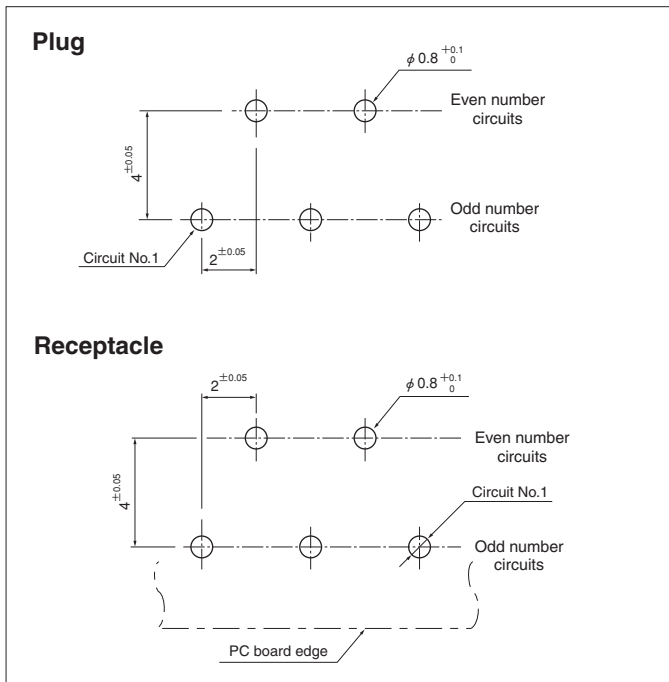
Circuits	Model No.	Dimensions (mm)			Q'ty / box
		A	B	C	
15	<b>15R-HQF-A</b>	28.0	34.0	37.0	220
25	<b>25R-HQF-A</b>	48.0	54.0	57.0	140

### Material and Finish

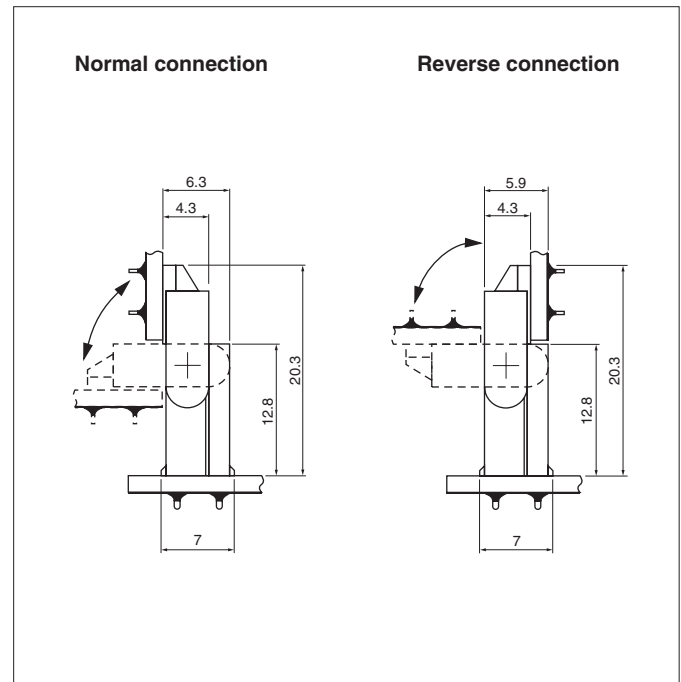
Contact: Phosphor bronze, tin-plated (reflow treatment)  
Housing: Glass-filled PA 66, UL94V-0

**RoHS compliance**

## PC board layout (viewed from component side)



## Assembly layout



### Note:

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