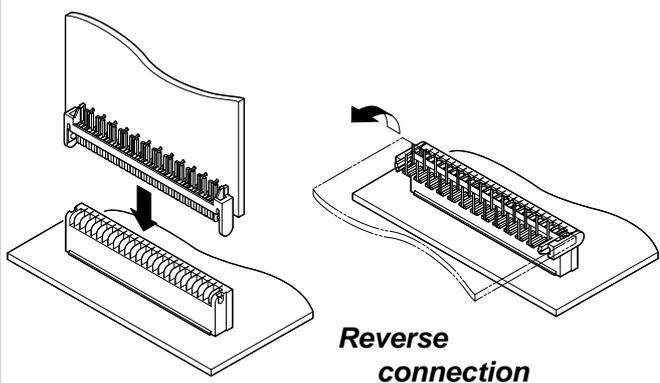
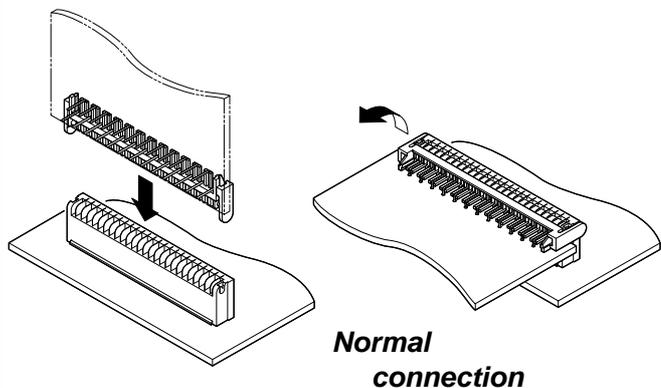


# HQF CONNECTOR

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

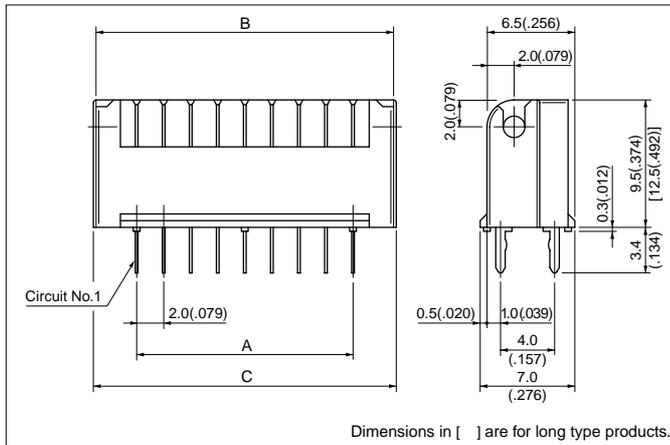
- Current rating: 1.0A AC, DC
  - Voltage rating: 100V AC, DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/40m Ω max.  
After environmental testing/80m Ω max.
  - Insulation resistance: 500M Ω min.
  - Withstanding voltage: 500V AC/minute
  - Applicable PC board thickness: 1.6mm(.063")
- \* Contact JST for details.

## Standards

- Recognized E60389
- 1 Certified LR20812

# HQF CONNECTOR

## Plug



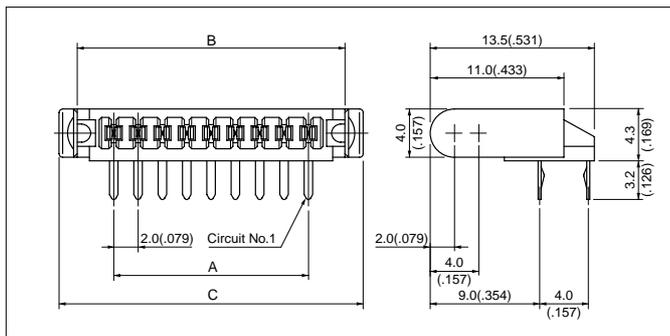
Type	Circuits	Model No.	Dimensions mm(in.)			Q'ty / box
			A	B	C	
Standard	15	<b>15P-HQF-E</b>	28.0(1.102)	34.0(1.339)	34.4(1.354)	275
Long	15	<b>15PL-HQF</b>	28.0(1.102)	34.0(1.339)	34.4(1.354)	275
	25	<b>25PL-HQF</b>	48.0(1.890)	54.0(2.126)	54.4(2.142)	175
	35	<b>35PL-HQF</b>	68.0(2.677)	74.0(2.913)	74.4(2.929)	125

### Material and Finish

Contact: Phosphor bronze, tin-plated  
Housing: Glass-filled Nylon 66, UL94V-0

Note: 35PL-HQF is not UL recognized nor CSA certified.

## Receptacle



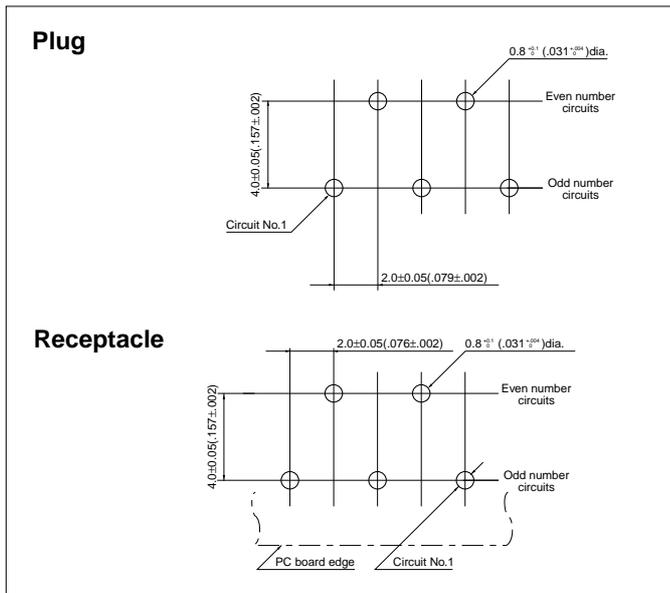
Circuits	Model No.	Dimensions mm(in.)			Q'ty / box
		A	B	C	
15	<b>15R-HQF</b>	28.0(1.102)	34.0(1.339)	37.0(1.457)	220
25	<b>25R-HQF</b>	48.0(1.890)	54.0(2.126)	57.0(2.244)	140
35	<b>35R-HQF</b>	68.0(2.677)	74.0(2.913)	77.0(3.031)	100

### Material and Finish

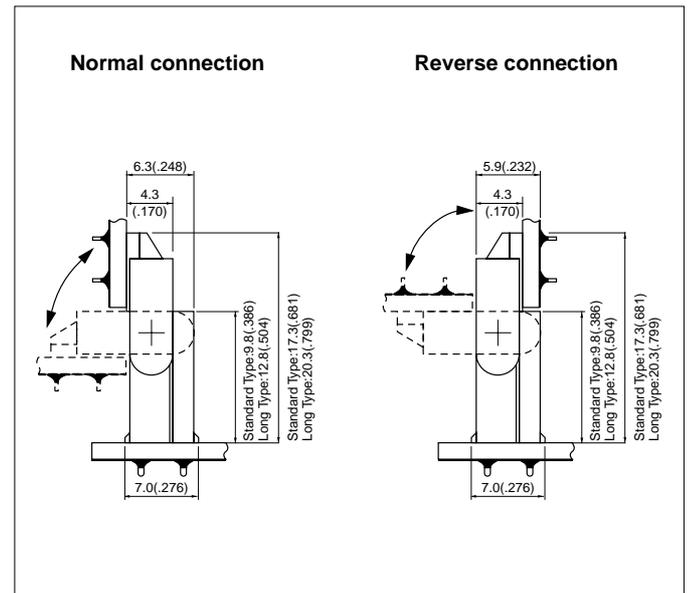
Contact: Phosphor bronze, tin-plated  
Housing: Glass-filled Nylon 66, UL94V-0

Note: 35R-HQF is not UL recognized nor CSA certified.

## PC board layout (viewed from component side)



## Assembly layout



### Note:

1. Tolerances are non-cumulative: ±0.05mm(±.002") 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.