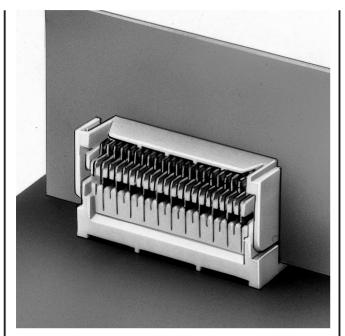
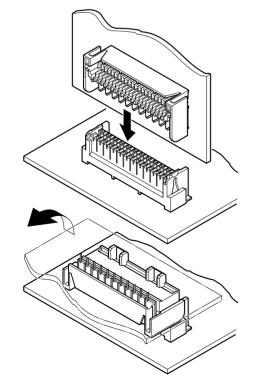


HQB CONNECTOR Board - to - board Connectors



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 up to 0.5mm. Header leads are staggered for easy board design.



Features -

• Flexible connection by absorbing circuit board misalignment

The hinge compensates for slight misalignments between circuit boards to assure a secure connection even if the boards are out of line up to 0.5mm. This design and circuit checks can be as easily made as opening a door.

Hinged connection

With hinge construction, the HQB 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.

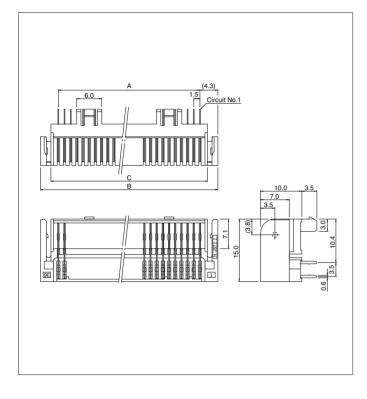
Specifications

- Current rating: 1.0A AC, DC
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C
 - (including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m Ω max. After environmental testing/60m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,000V 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
- GP Certified LR20812

Plug ·



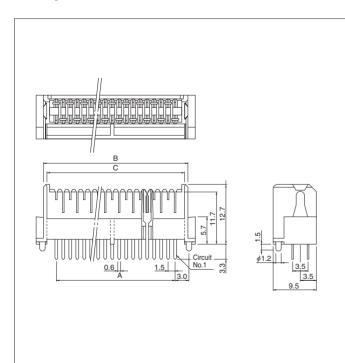
Circuits	Model No.	Dimensions (mm)			Q'ty /
		А	В	С	bóx
22	22P-HQBSS	31.5	40.1	34.9	50
24	24P-HQBSS	34.5	43.1	37.9	45
30	30P-HQBSS	43.5	52.1	46.9	40
36	36P-HQBSS	52.5	61.1	55.9	35
		•		•	

Material and Finish

Contact: Copper alloy, tin-plated(reflow treatment) Housing: PA 66, UL94V-0, white (natural)

RoHS compliance

Receptacle-



Circuits	Model No.	Dimensions (mm)			Q'ty /
		A	В	С	box
22	22R-HQBSS	31.5	37.1	35.5	50
24	24R-HQBSS	34.5	40.1	38.5	45
30	30R-HQBSS	43.5	49.1	47.5	40
36	36R-HQBSS	52.5	58.1	56.5	35

Material and Finish

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

RoHS compliance

HQB CONNECTOR

Plug Receptacle Daughter board 3.0±0.05 3.0±0.05 A±0.05 *¢*1.6⁺⁸¹ A±0.05 3.5±0.05 3.0±0.05 05 <u>1.5±0.05</u> Circuit No.1 -4.5 12.3±0.05 17.0 to 17.5 Circuit No.1 3.0±0.05 *φ*0.8⁺^{0.1} 10.55 8.0 5±0.05 φ0.8^{+0.1} 1.5±0.05 B±0.1 C±0.1 Daughter board Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.

PC board layout (viewed from component side) ·

Circuits	Dimensions (mm)				
Circuits	A	В	С		
22	31.5	7.5	16.5		
24	34.5	7.5	19.5		
30	43.5	10.5	22.5		
36	52.5	12.0	28.5		

 Tolerances are non-cumulative: ±0.05mm for all centers.
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.

Assembly layout

