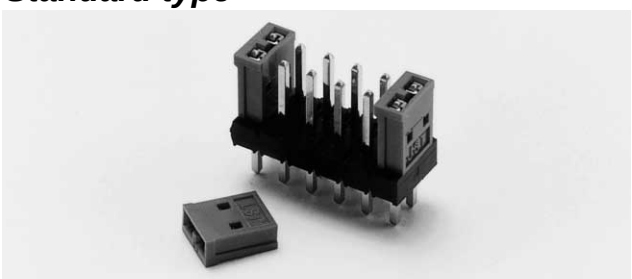
JM CONNECTOR

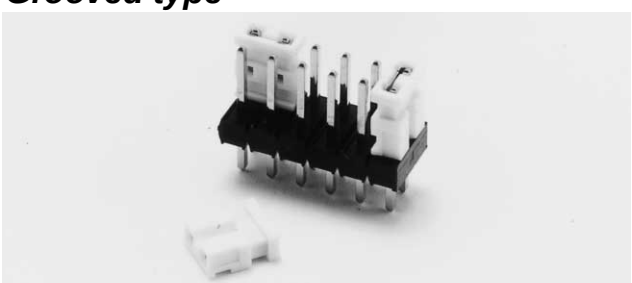
Jumper connectors

2.54mm pitch

Standard type

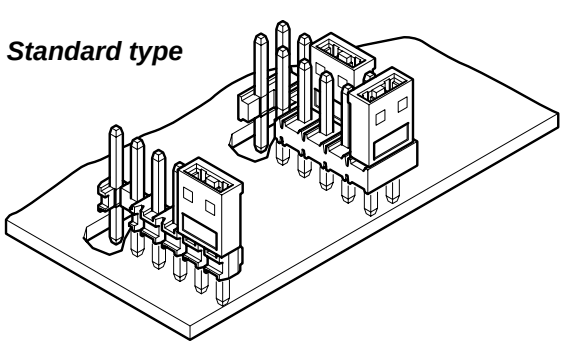


Grooved type



This is a two-circuit jumper connector suited for changing or switching circuits on printed circuit boards without using DIP switches. It is compact and light, thus can be mounted on printed circuit boards without interfering with the placement of other components. The connector is easy to use, low in cost, and has a wide range of applications in industrial and consumer products.

Standard type



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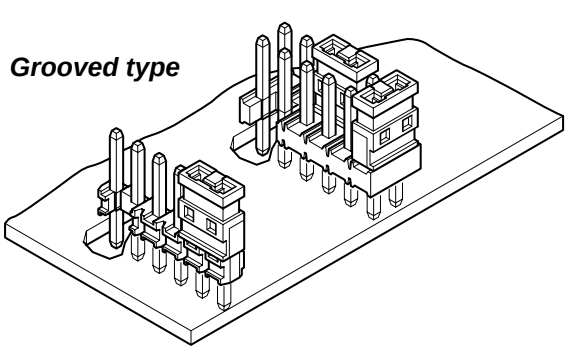


Features

• Stackable

This connector is stackable in both directions.

• Low profile

This connector measures 8.5mm high after mounting. The receptacle is 6.0mm high.

• High reliability

Each contact makes an electrical connection with its mating header post at two points. This redundancy ensures continuity even under adverse environmental conditions.

• Through style

The receptacle allows the mating post to pass completely through and measures 6.0mm in height. It is suited for various headers having posts measuring 6.0mm or more in height.

• Provides convenient test points

Provides extra test points where circuits can be checked without the disassembly of components.

Specifications

- Current rating: 3A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -55˚C to +125˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/20m Ω max.
  After environmental testing/30m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 800V AC/minute
- Applicable PC board thickness: 1.2 to 1.6mm
- Number of circuits: RE header 2 to 30
  RF header 2 to 60 (even numbers only)

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

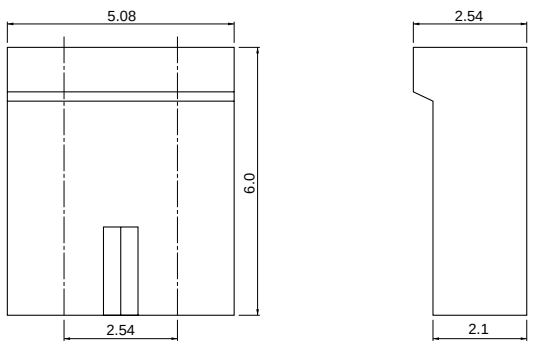
Standards

Recognized E60389

Certified LR20812

Receptacle

<Standard type>



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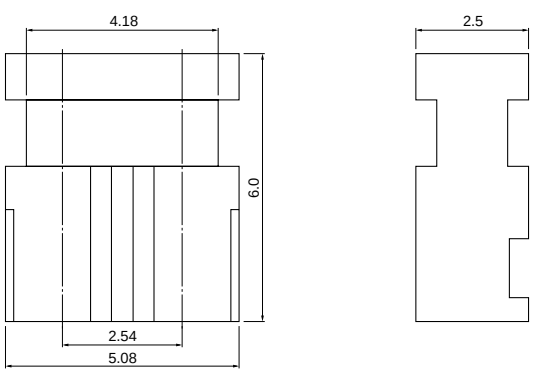


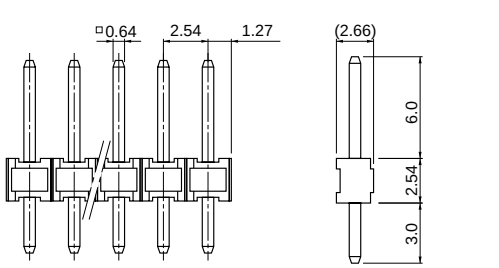
Type	Model No.	Finish	Color	Q'ty / box
Standard	**JM-2BK-61**	Nickel-undercoated, Mating part; gold-plated 0.1micron min.	Black	5,000
	JM-2BL-63	Nickel-undercoated, Mating part; gold-plated 0.4micron min.	Blue	
	JM-2R-64	Nickel-undercoated, Mating part; gold-plated 0.76micron min.	Red	
	JM-2W-96	Copper-undercoated, tin-plated (reflow treatment)	Natural	
Grooved	**JM-T2W-61B**	Nickel-undercoated, Mating part; gold-plated 0.1micron min.	White	

Material
Contact: Phosphor bronze Housing: PBT, UL94V-0

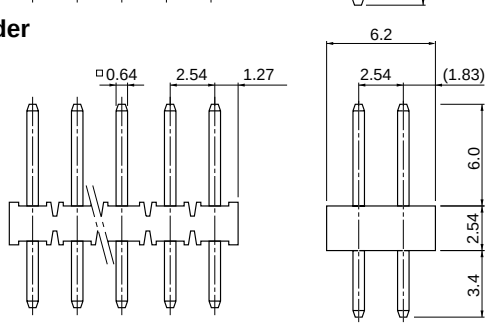
RoHS compliance
Note: Contact JST for special products.

Header

RE header



RF header



Gold-plated product

Model No.	Material		Finish
	Wafer	Post	
RE-H( )2TD-1130	PBT, UL94V-0, black	Brass	Nickel-undercoated, gold-plated
RF-H( )2TD-1130			

RoHS compliance

Tin-plated product

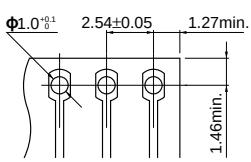
Model No.	Material		Finish
	Wafer	Post	
RE-H( )2TD-1190	PBT, UL94V-0, black	Brass	Copper-undercoated, tin-plated (reflow treatment)
RF-H( )2TD-1190			

RoHS compliance *This product displays (LF)(SN) on a label.*

Note:
1. A two-digit number (RE header: 02 to 30 or RF header: 02 to 60 even numbers only) representing the number of cicuits should be inserted in (*).
2. Special headers and side-entry type RE and RF headers are also available. For details, refer to pages RE series and RF series.

PC board layout (viewed from soldering side) and Assembly layout ––––––––––––––––––

With RE header



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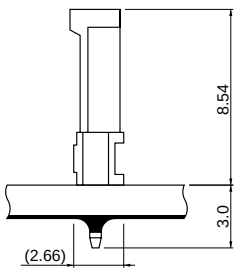

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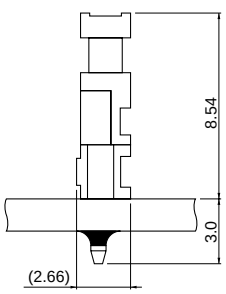
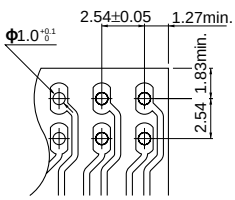


With RF header



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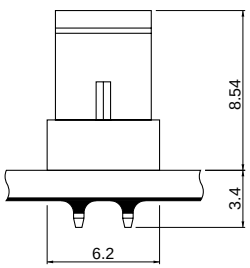

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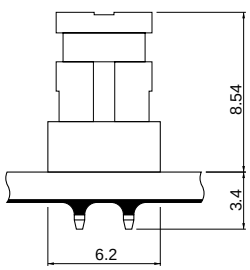

Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.