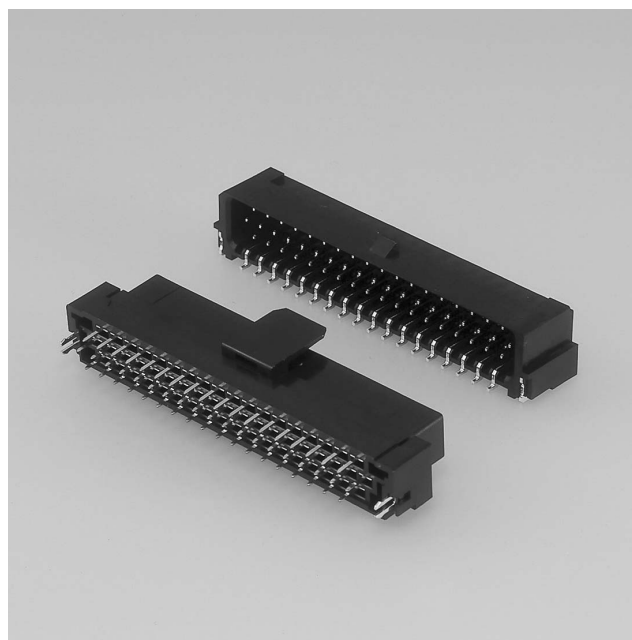
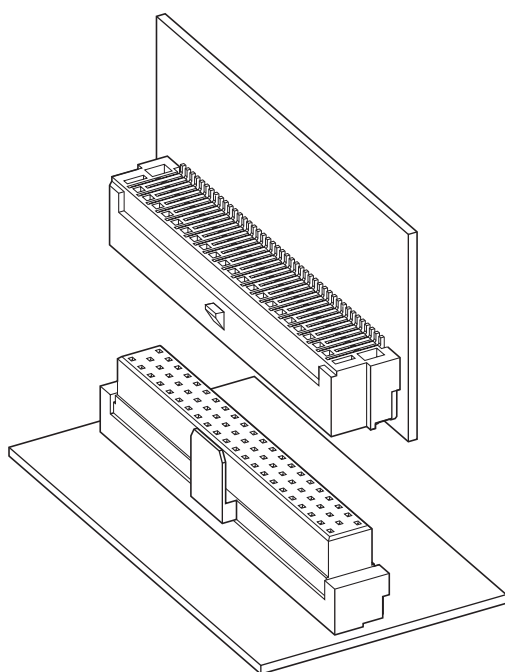


# JDF CONNECTOR

Board-to-board connectors



*This 1.5mm pitch board-to-board connector has achieved further miniaturization in width by adopting a triple row structure. The connector is also equipped with a floating mechanism which absorbs misplacement when mounted to the board and misalignment when assembled.*



## Features

### • Flexible structure

The floating structure of the receptacle means that it has a separate structure of upper and bottom part in order to absorb misplacement of the component of up to 0.5mm both horizontally and vertically when mounted to the board and misalignment when assembled.

### • Highly reliable connection

Reliable connection is ensured by adopting a secure locking system and applying gold plating on the contact part.

### • Mounting type

Plug: SMT type

Receptacle: Through-hole type

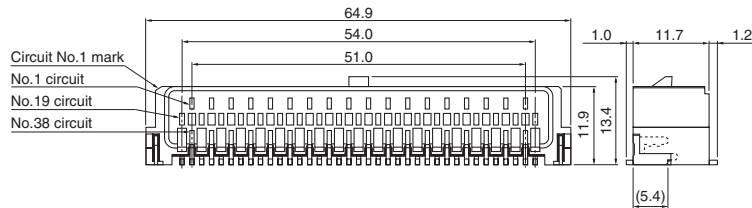
## Specifications

- 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/40m  $\Omega$  max.  
After environmental testing/60m  $\Omega$  max.
- Insulation resistance: 300M  $\Omega$  min.
- Withstanding voltage: 250V 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

## Plug



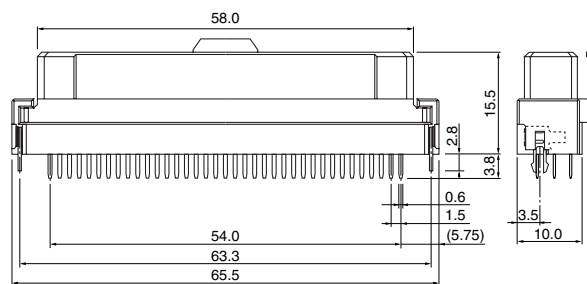
Circuits	Model No.	Q'ty / box
55	<b>55PS-JDFK-SM-G</b>	440

### Material and Finish

Contact: Brass, nickel-undercoated, overall; gold-plated  
Housing: Glass-filled PA 6T, UL94V-0, black  
Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

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

## Receptacle



Circuits	Model No.	Q'ty / box
55	<b>55R-JDFK-GB</b>	240

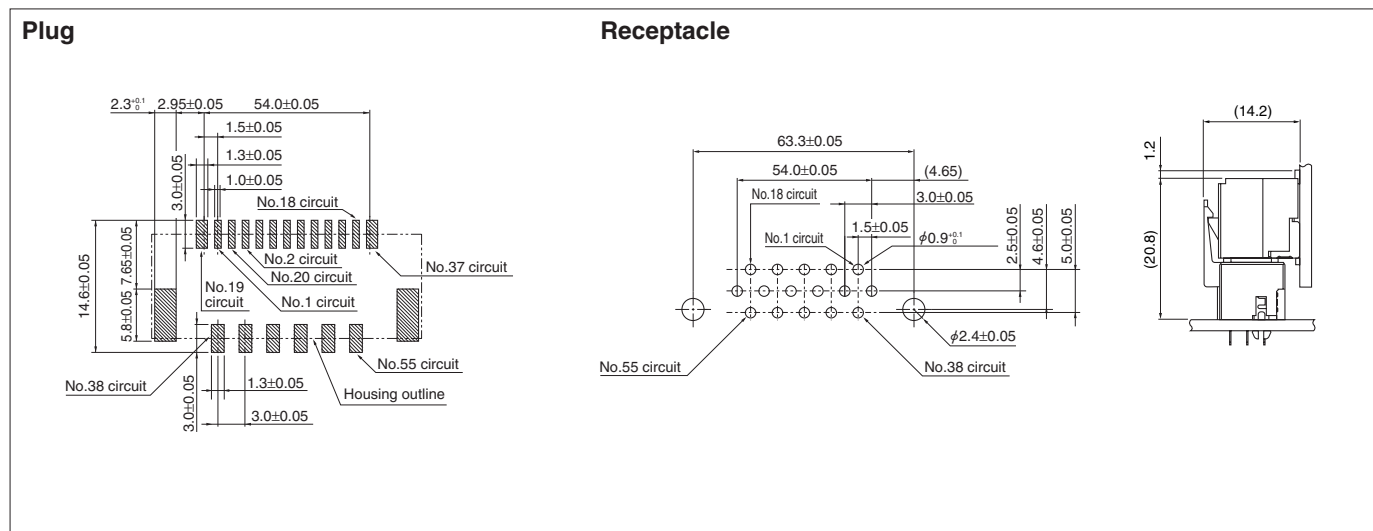
### Material and Finish

Contact: Phosphor bronze, nickel-undercoated,  
Mating part; gold-plated  
Solder tail; tin-plated (reflow treatment)  
Housing: Glass-filled PBT, UL94V-0, black  
Reinforcing pin: Brass, copper-undercoated, tin-plated (reflow treatment)

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

# JDF CONNECTOR

## PC board layout (viewed from component side) and Assembly layout



### Note:

1. Tolerances are non-cumulative:  $\pm 0.05$  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.