



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



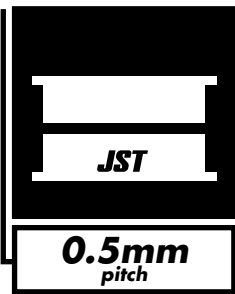
## Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

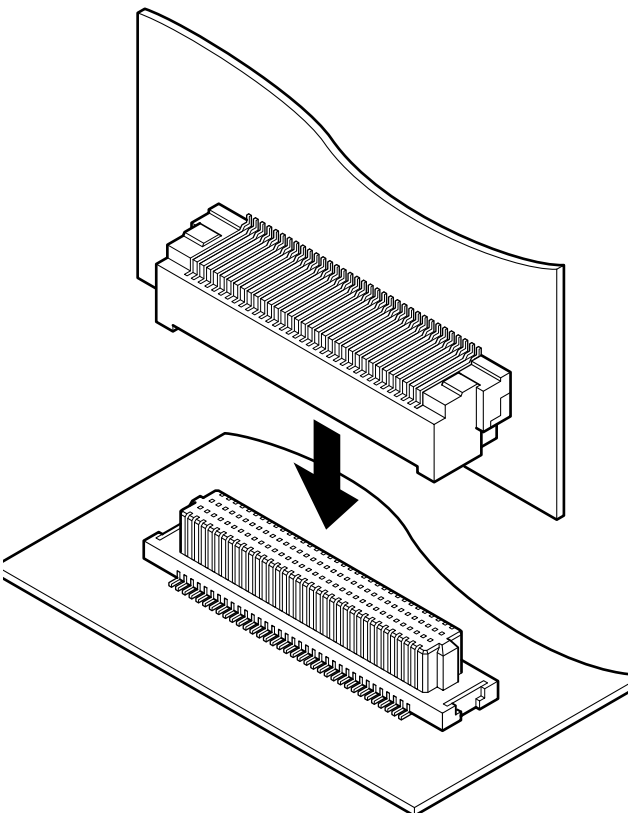
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# JMD CONNECTOR

Board-to-board connectors



## Features

- **Smooth connection**

Thanks to the cantilever type contacts, mating is very smooth.

- **Distortion preventive construction**

Box-shaped plug housing has the guide ribs on both ends, which prevents distortion, and offsetting the rib from the center axis provides the mating directionality.

- **Wide range of circuits**

No. of circuits available are from 20 to 100, every 10 circuits.

- **Embossed taping for automatic mounting**

This connector is supplied in embossed tape packaging, for mounting by automatic placement machines.

## Specifications

- Current rating: 0.5A 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/50m Ω max.  
After environmental testing/100m Ω max.
- Insulation resistance: 50M Ω min.
- Withstanding voltage: 100V AC/minute
- \* Compliant with RoHS.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

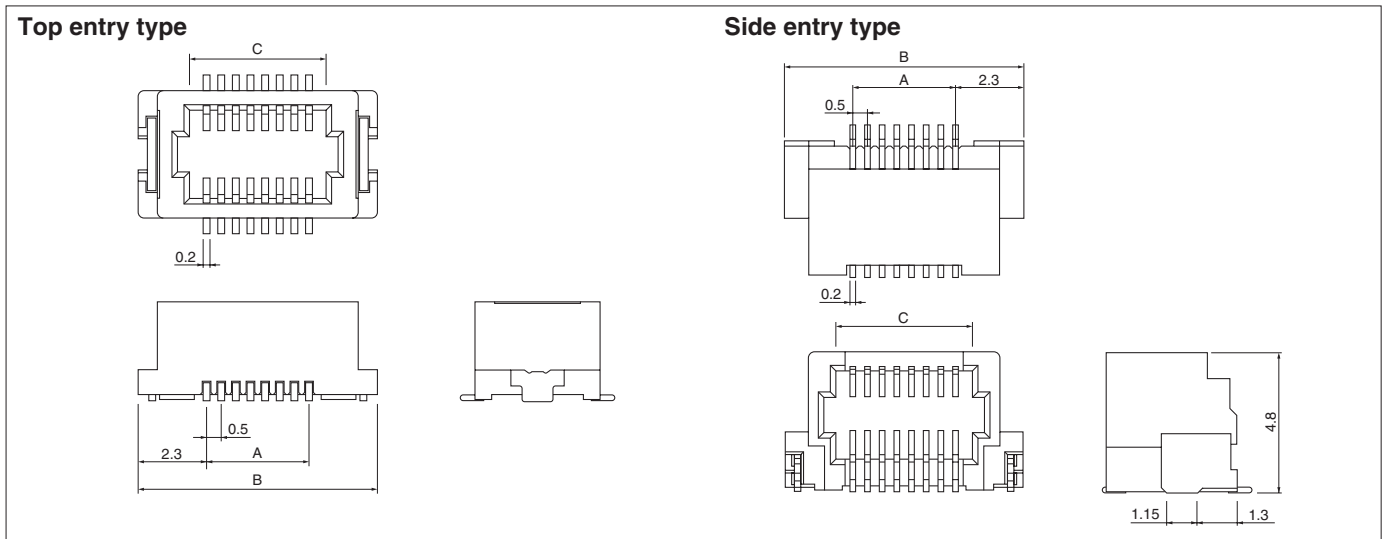
## Standards

Recognized E60389

Certified LR20812

# JMD CONNECTOR

## Plug



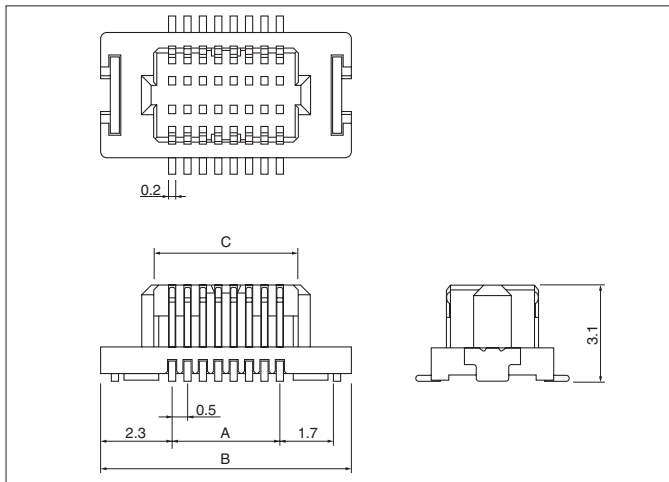
Circuits	Model No.				Dimensions (mm)			Q'ty / reel
	Top entry type			Side entry type	A	B	C	
	4.5mm	5.0mm	6.0mm					
20	<b>20P-JMDSS-G-1-TF</b>	–	–	<b>20PS-JMDSS-G-1-TF</b>	4.5	9.1	5.7	1,500
30	–	<b>30P5.0-JMDSS-G-1-TF</b>	–	<b>30PS-JMDSS-G-1-TF</b>	7.0	11.6	8.2	1,500
40	<b>40P-JMDSS-G-1-TF</b>	<b>40P5.0-JMDSS-G-1-TF</b>	–	<b>40PS-JMDSS-G-1-TF</b>	9.5	14.1	10.7	1,500
50	<b>50P-JMDSS-G-1-TF</b>	–	<b>50P6.0-JMDSS-G-1-TF</b>	<b>50PS-JMDSS-G-1-TF</b>	12.0	16.6	13.2	1,500
60	<b>60P-JMDSS-G-1-TF</b>	–	<b>60P6.0-JMDSS-G-1-TF</b>	<b>60PS-JMDSS-G-1-TF</b>	14.5	19.1	15.7	1,500
70	<b>70P-JMDSS-G-1-TF</b>	–	<b>70P6.0-JMDSS-G-1-TF</b>	<b>70PS-JMDSS-G-1-TF</b>	17.0	21.6	18.2	1,500
80	<b>80P-JMDSS-G-1-TF</b>	–	–	<b>80PS-JMDSS-G-1-TF</b>	19.5	24.1	20.7	1,500
100	<b>100P-JMDSS-G-1-TF</b>	–	–	<b>100PS-JMDSS-G-1-TF</b>	24.5	29.1	25.7	1,500

### Material and Finish

Contact: Phosphor bronze, nickel-undercoated, gold-plated  
 Housing: PA 6T, UL94V-0  
 Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
 Note: The products listed above are supplied on embossed-tape.

## Receptacle



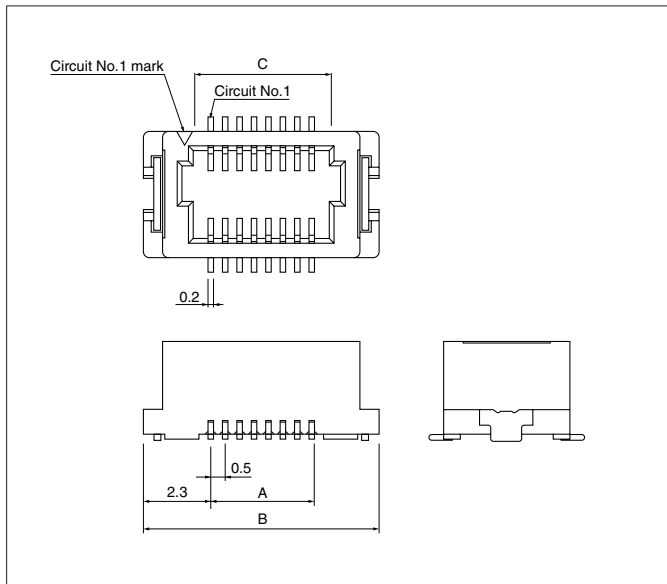
Circuits	Model No.	Dimensions (mm)			Q'ty / reel
		A	B	C	
20	<b>20R-JMDSS-G-1-TF(S)</b>	4.5	9.1	5.7	1,500
30	<b>30R-JMDSS-G-1-TF(S)</b>	7.0	11.6	8.2	1,500
40	<b>40R-JMDSS-G-1-TF(S)</b>	9.5	14.1	10.7	1,500
50	<b>50R-JMDSS-G-1-TF(S)</b>	12.0	16.6	13.2	1,500
60	<b>60R-JMDSS-G-1-TF(S)</b>	14.5	19.1	15.7	1,500
70	<b>70R-JMDSS-G-1-TF(S)</b>	17.0	21.6	18.2	1,500
80	<b>80R-JMDSS-G-1-TF(S)</b>	19.5	24.1	20.7	1,500
100	<b>100R-JMDSS-G-1-TF(S)</b>	24.5	29.1	25.7	1,500

### Material and Finish

Contact: Phosphor bronze, nickel-undercoated, gold-plated  
 Housing: PA 6T, UL94V-0  
 Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
 Note: The products listed above are supplied on embossed-tape.

## Plug with polarizing key



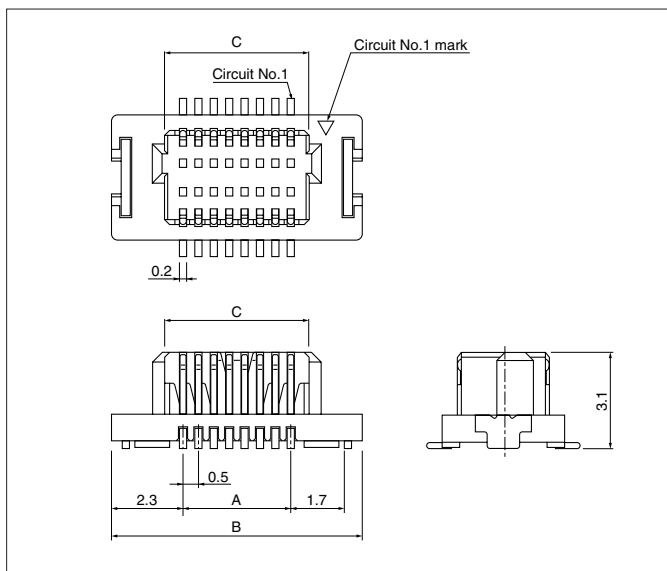
Cir- cuits	Model No.	Dimensions (mm)			Q'ty / reel
	Stacking height /4.5mm	A	B	C	
60	<b>60P-JMDHS-GAN-1A-TF (A)</b>	14.5	19.1	15.7	1,500

### Material and Finish

Contact: Phosphor bronze, nickel-underplated, gold-plated (nickel-stripe)  
 Housing: PA6T, UL94V-0, gray  
 Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
 This products listed above are supplied on embossed-tape.

## Receptacle with polarizing key



Cir- cuits	Model No.	Dimensions (mm)			Q'ty / reel
	Stacking height /4.5mm	A	B	C	
60	<b>60R-JMDHS-GAN-1A-TF (SA)</b>	14.5	19.1	15.7	1,500

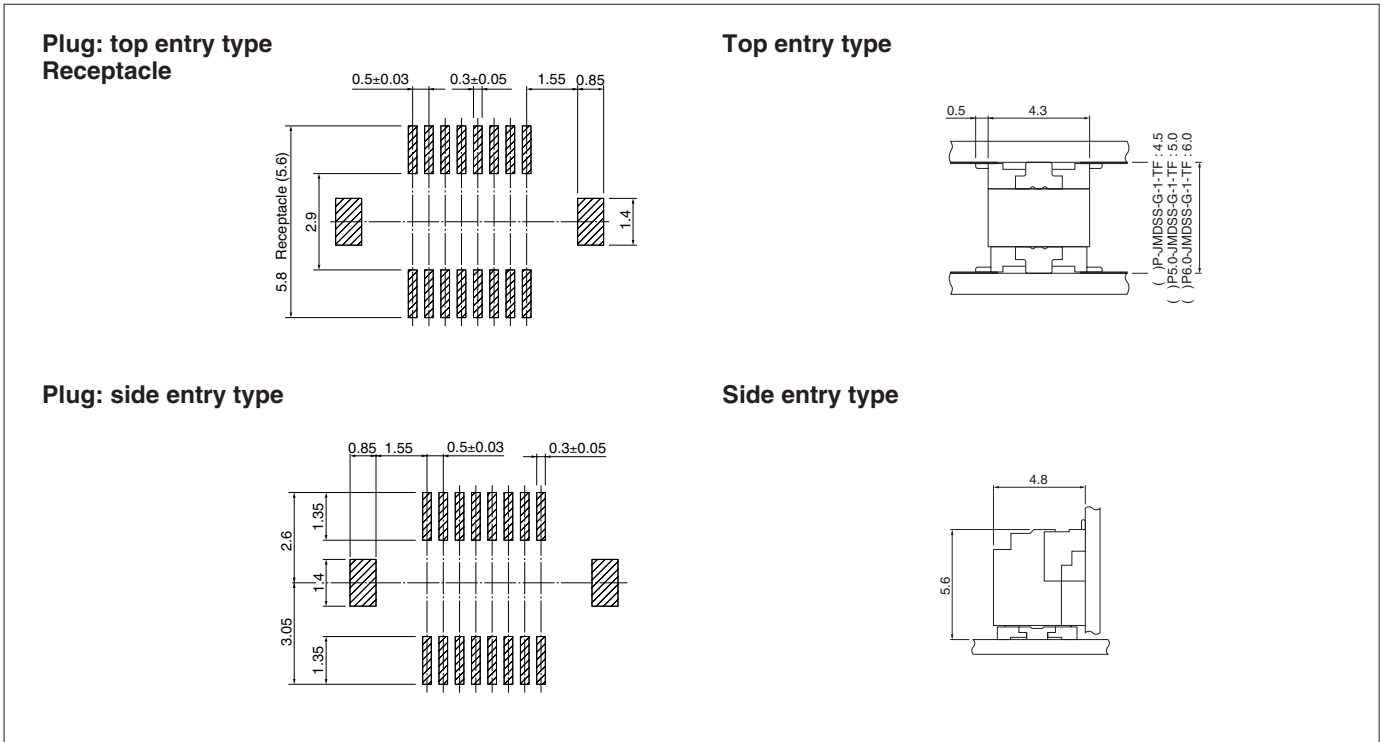
### Material and Finish

Contact: Phosphor bronze, nickel-underplated, gold-plated (nickel-stripe)  
 Housing: PA6T, UL94V-0, gray  
 Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

**RoHS compliance** This product displays (LF)(SN) on a label.  
 This products listed above are supplied on embossed-tape.

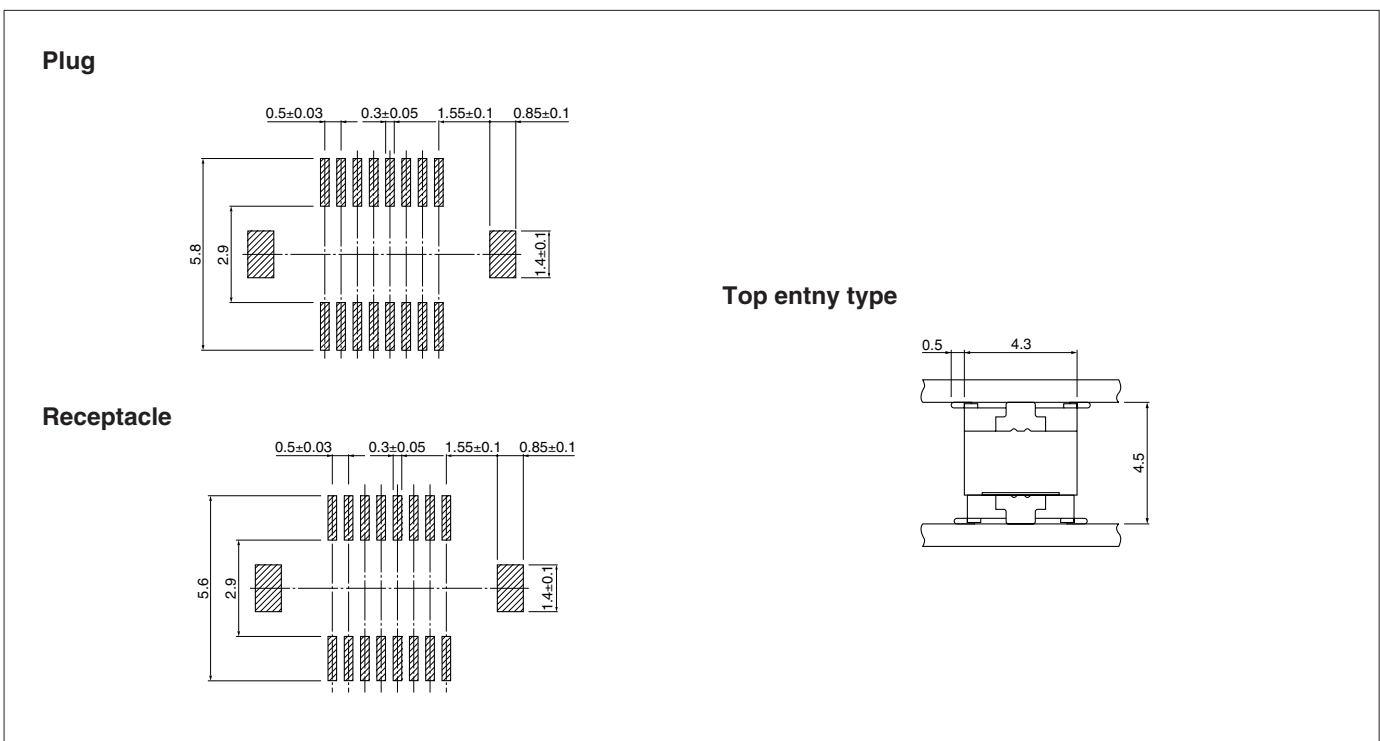
# JMD CONNECTOR

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



Note: 1. Tolerances are non-cumulative:  $\pm 0.03\text{mm}$  for all centers.  
 2. The dimensions above should serve as a guideline. Contact JST for details.

## PC board layout (viewed from component side) and Assembly layout / with polarizing key



Note: 1. Tolerances are non-cumulative:  $\pm 0.03\text{mm}$  for all centers.  
 2. The dimensions above should serve as a guideline. Contact JST for details.