JST

0.5mm pitch

JMD CONNECTOR

Emboss Tape

Board-to-board connectors

Features

• Smooth connection

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

• Distortion preventive construction

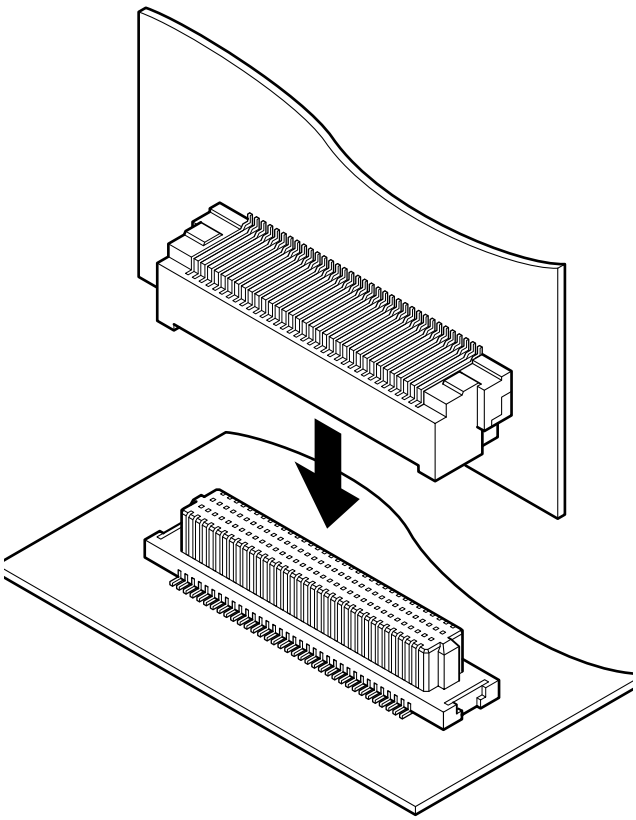
Box-shaped plug housing has the guide ribs on both ends, which prevents distortion, and offsetting the rib from the center axis provides the mating directionality.

• Wide range of circuits

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

• 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.

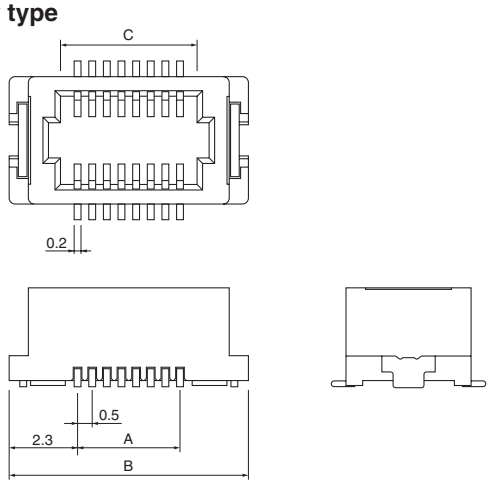
Standards

Recognized E60389

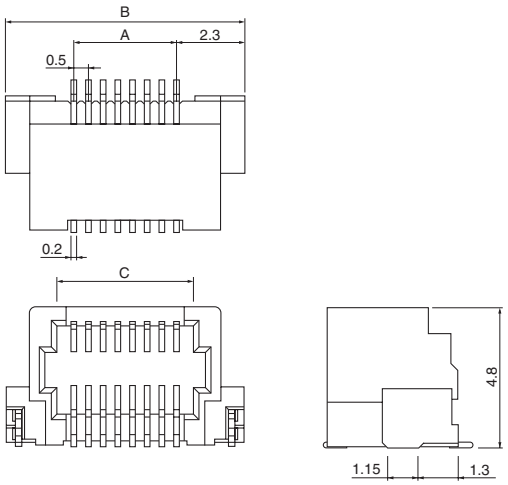
Certified LR20812

Plug

Top entry type



Side entry type

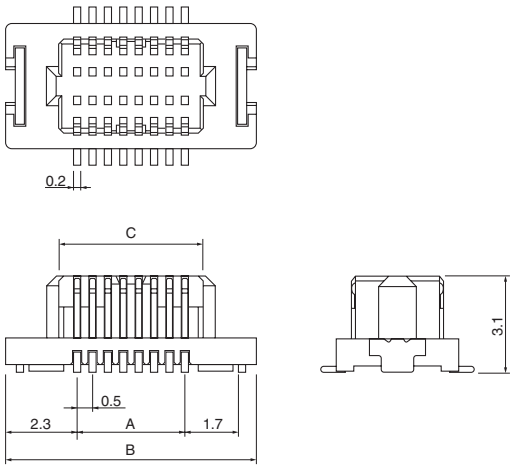


Circuits	Model No.				Dimensions (mm)			Q'ty / reel
	Top entry type			Side entry type	A	B	C	
	4.5mm	5.0mm	6.0mm					
20	**20P-JMDSS-G-1-TF**	–	–	**20PS-JMDSS-G-1-TF**	4.5	9.1	5.7	1,500
30	–	**30P5.0-JMDSS-G-1-TF**	–	**30PS-JMDSS-G-1-TF**	7.0	11.6	8.2	1,500
40	**40P-JMDSS-G-1-TF**	**40P5.0-JMDSS-G-1-TF**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

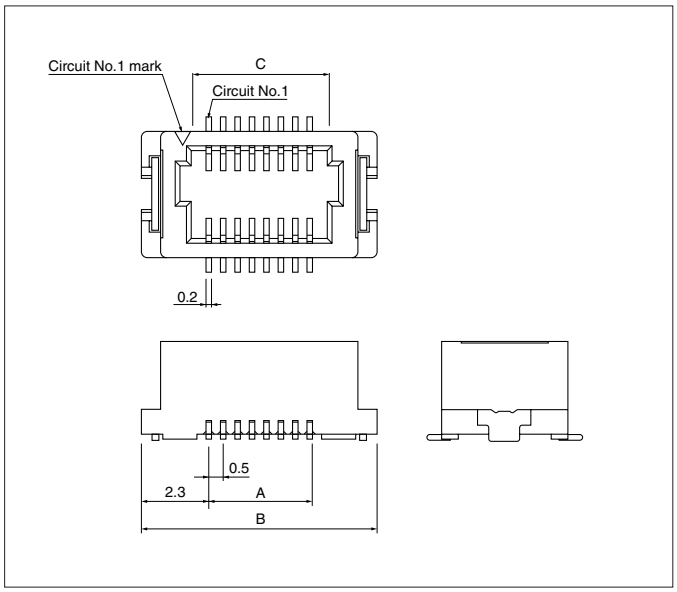


Cir-cuits	Model No.	Dimensions (mm)			Q'ty / reel
		A	B	C	
20	**20R-JMDSS-G-1-TF(S)**	4.5	9.1	5.7	1,500
30	**30R-JMDSS-G-1-TF(S)**	7.0	11.6	8.2	1,500
40	**40R-JMDSS-G-1-TF(S)**	9.5	14.1	10.7	1,500
50	**50R-JMDSS-G-1-TF(S)**	12.0	16.6	13.2	1,500
60	**60R-JMDSS-G-1-TF(S)**	14.5	19.1	15.7	1,500
70	**70R-JMDSS-G-1-TF(S)**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

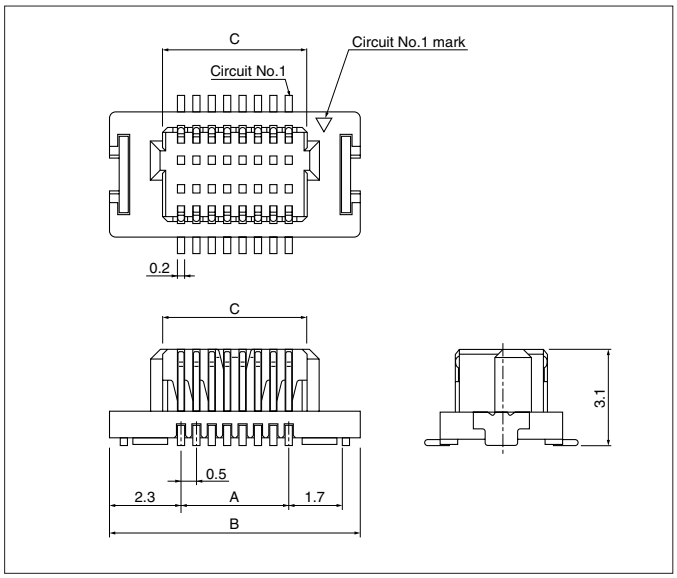


Circuits	Model No.	Dimensions (mm)			Q'ty / reel
	Stacking height /4.5mm	A	B	C	
60	**60P-JMDHS-GAN-1A-TF (A)**	14.5	19.1	15.7	1,500

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



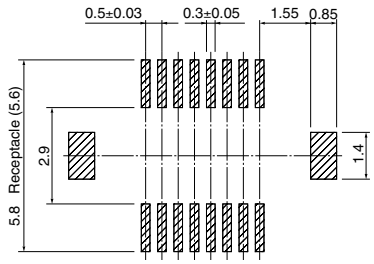
Circuits	Model No.	Dimensions (mm)			Q'ty / reel
	Stacking height /4.5mm	A	B	C	
60	**60R-JMDHS-GAN-1A-TF (SA)**	14.5	19.1	15.7	1,500

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)

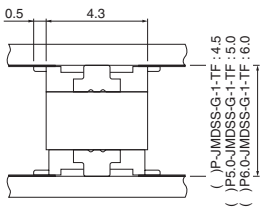
RoHS compliance *This product displays (LF)(SN) on a label.*
This products listed above are supplied on embossed-tape.

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

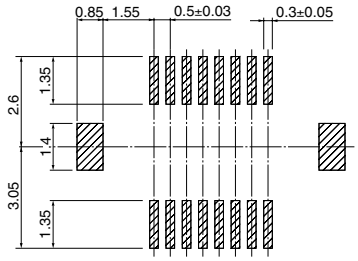
Plug: top entry type
Receptacle



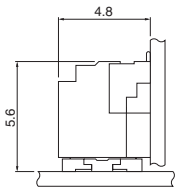
Top entry type



Plug: side entry type



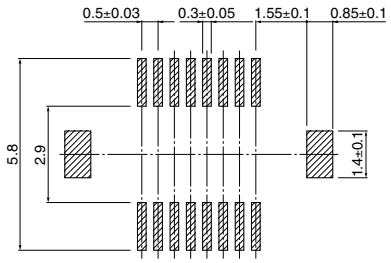
Side entry type



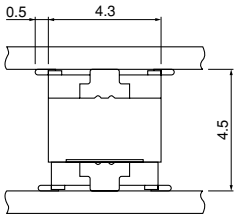
Note: 1. Tolerances are non-cumulative: ±0.03mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

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

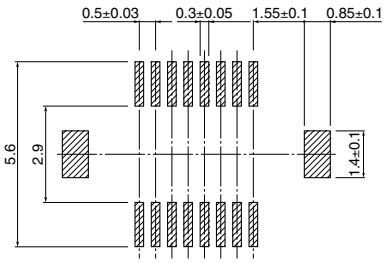
Plug



Top entny type



Receptacle



Note: 1. Tolerances are non-cumulative: ±0.03mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.