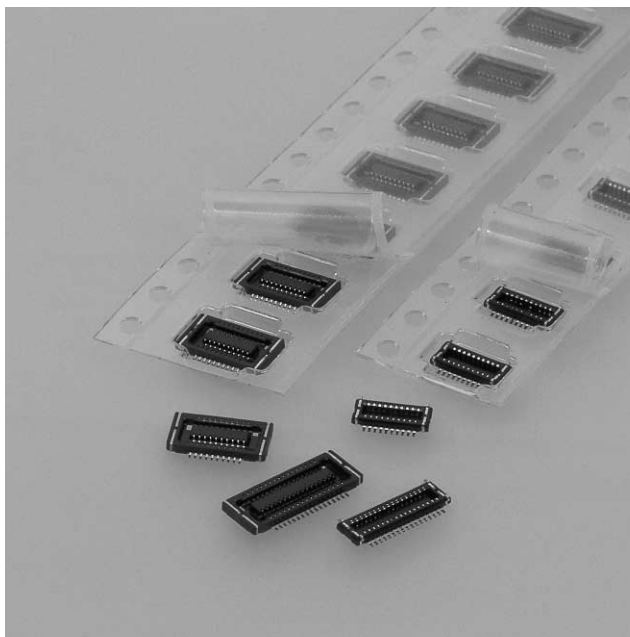
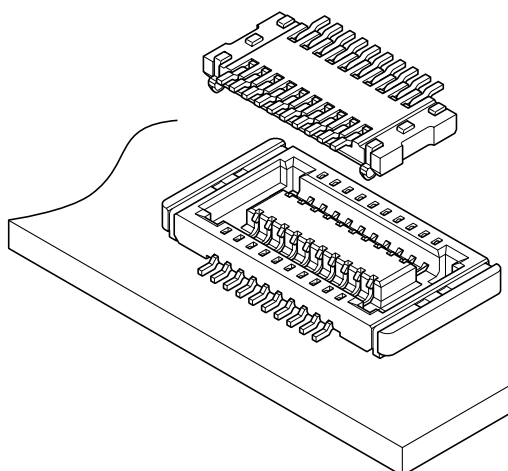


JAN CONNECTOR

Board-to-board connectors



This JAN connector is a board-to-board connector with stacking height 1.0mm (.039") and 0.4mm (.016") pitch, which is the lowest-profile connector in the [electro mechanical component] industry. In consideration of operability at user side, although it is 1.0mm (.039") low profile, when mating receptacle with plug, the connector structure, where the large amount of guiding connector can be taken, is adopted, and differentiates JAN connector with added value.



Features

• Locking mechanism of contact

Because of the locking mechanism of the contacts which is made use of the spring performance, after repetition of mating and unmating, lock strength and a feeling of a click are very good.

• Wiping contact structure

Concentrated stable electrical performance is realized by mating combination of bellows contact roll side on plug and fracture surface side on receptacle.

• Reinforcement tabs

Signal contacts are protected from any external force after mounting on PC board, by soldered reinforcement tabs situated out side of wafer.

• Solder entry prevention

The gold-plated contacts (nickel-stripe) are also available which prevent solder from rising under high-activity reflow condition.

Specifications

- Current rating: 0.2A AC, DC
- Voltage rating: 30V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/70m Ω max.
After environmental testing/140m Ω max.
- Insulation resistance: 50M Ω min.
- Withstanding voltage: 100V AC/minute
- * Contact JST if Lead-Free product is required.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

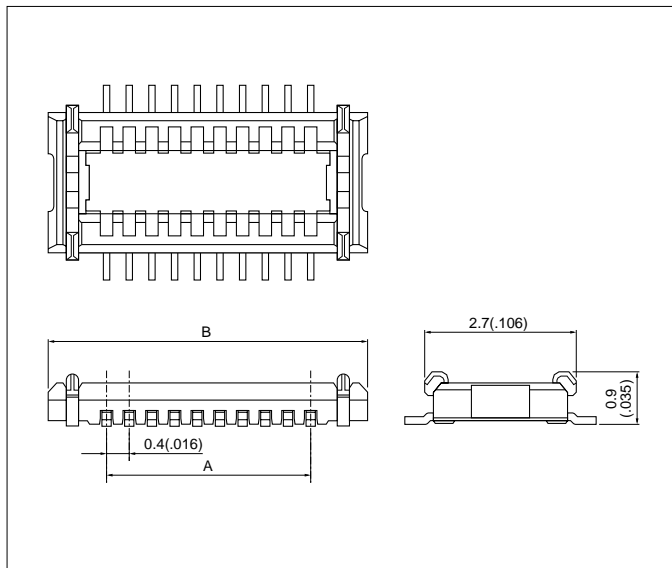
Standards

Recognized E60389

Certified LR20812

JAN CONNECTOR

Plug



Circuits	Model No.	Dimensions mm(in.)		Q'ty / reel
		A	B	
20	20P-JANK-GS-TF	3.6(.142)	5.6(.220)	4,000
24	24P-JANK-GS-TF	4.4(.173)	6.4(.252)	4,000
34	34P-JANK-GS-TF	6.4(.252)	8.4(.331)	4,000
40	40P-JANK-GS-TF	7.6(.299)	9.6(.378)	4,000
60	60P-JANK-GS-TF	11.6(.457)	13.6(.535)	4,000

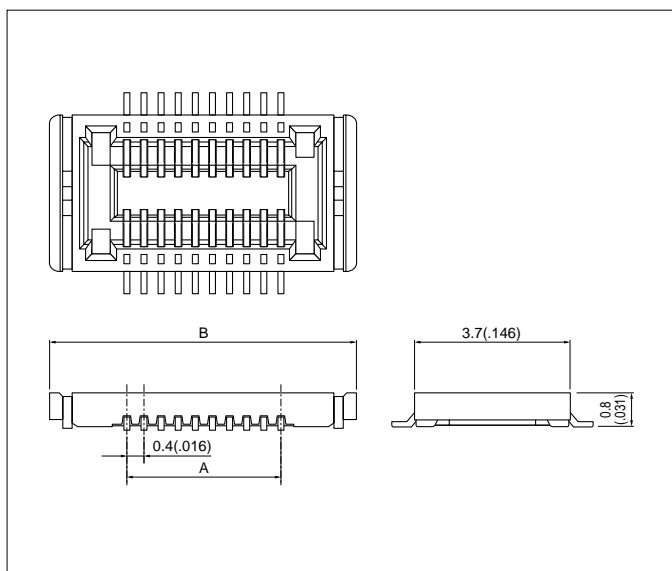
Material and Finish

Contact: Phosphor bronze, nickel-undercoated, gold-plated
Housing: LCP, UL94V-0
Solder tab: Brass, copper-undercoated, tin-plated

Note:

1. The products listed above are supplied on embossed-tape.
2. Nickel-stripe product: "GSAN" instead of "GS"

Receptacle



Circuits	Model No.	Dimensions mm(in.)		Q'ty / reel
		A	B	
20	20R-JANK-GS-TF	3.6(.142)	7.2(.283)	4,000
24	24R-JANK-GS-TF	4.4(.173)	8.0(.315)	4,000
34	34R-JANK-GS-TF	6.4(.252)	10.0(.394)	4,000
40	40R-JANK-GS-TF	7.6(.299)	11.2(.441)	4,000
60	60R-JANK-GS-TF	11.6(.457)	15.2(.598)	4,000

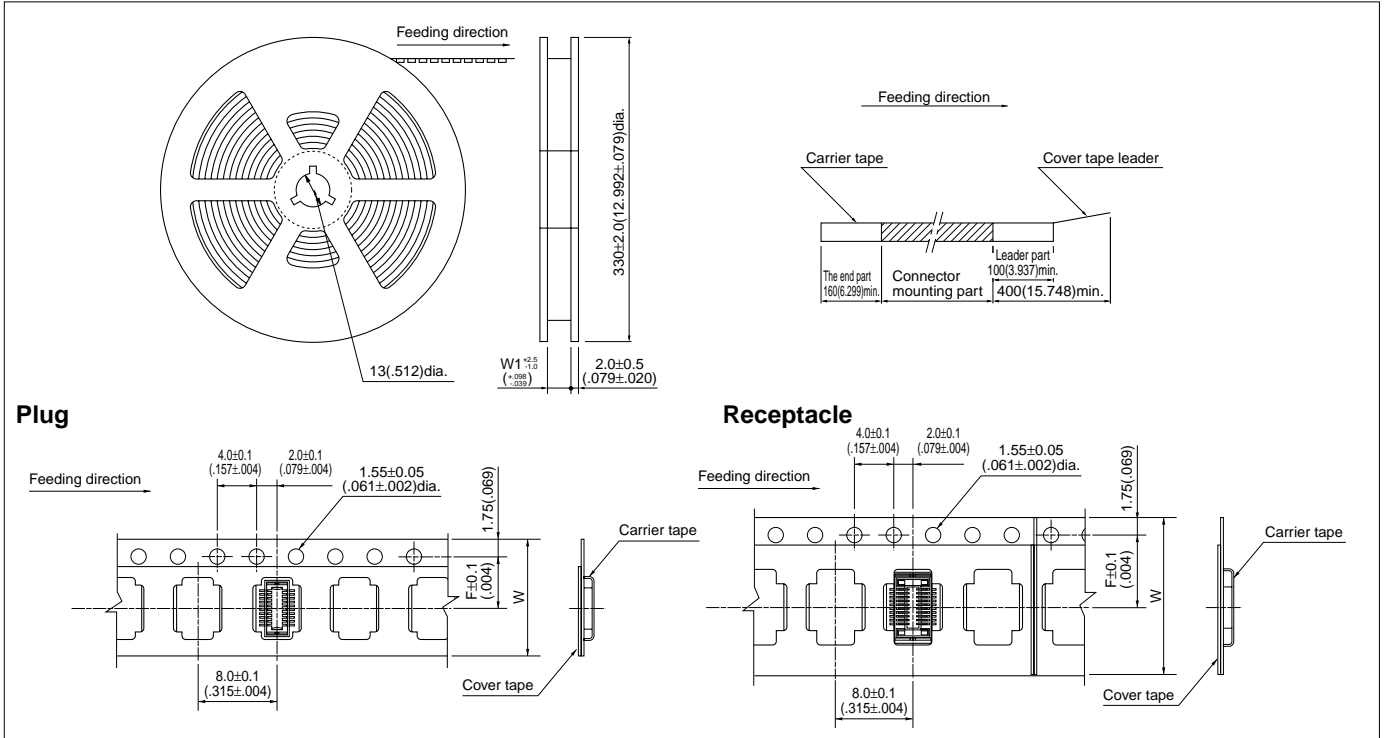
Material and Finish

Contact: Phosphor bronze, nickel-undercoated, gold-plated
Housing: LCP, UL94V-0
Solder tab: Brass, copper-undercoated, tin-plated

Note:

1. The products listed above are supplied on embossed-tape.
2. Nickel-stripe product: "GSAN" instead of "GS"

Taping specifications



Plug

Receptacle

Plug

Receptacle

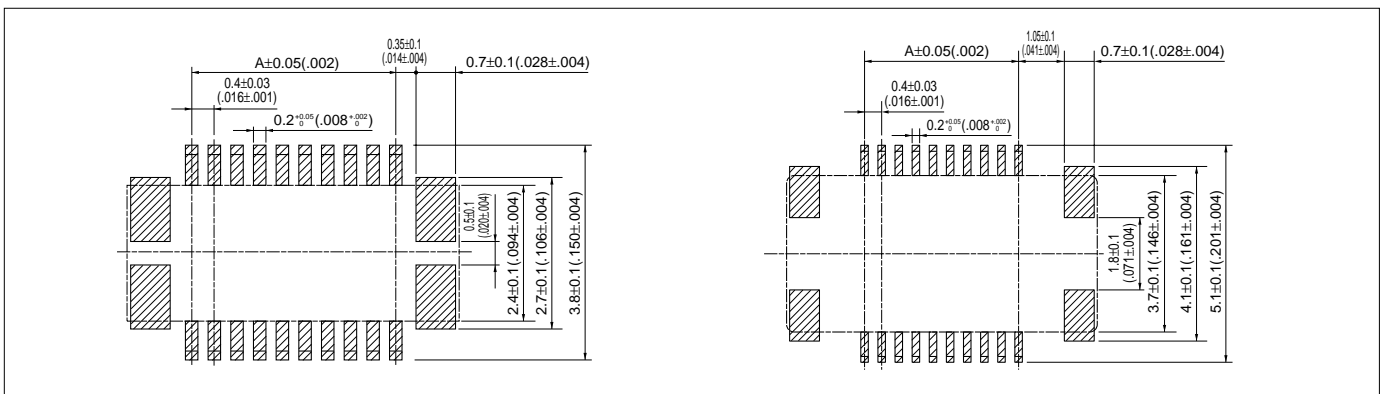
Cir- cuits	Dimensions mm(in.)			Q'ty / reel
	F	W	W1	
20	5.5(.217)	12.0(.472)	13.5(.531)	4,000
24	7.5(.295)	16.0(.630)	17.5(.689)	4,000
34	7.5(.295)	16.0(.630)	17.5(.689)	4,000
40	7.5(.295)	16.0(.630)	17.5(.689)	4,000
60	11.5(.453)	24.0(.945)	25.5(1.004)	4,000

Cir- cuits	Dimensions mm(in.)			Q'ty / reel
	F	W	W1	
20	7.5(.295)	16.0(.630)	17.5(.689)	4,000
24	7.5(.295)	24.0(.945)	17.5(.689)	4,000
34	11.5(.453)	24.0(.945)	25.5(1.004)	4,000
40	11.5(.453)	24.0(.945)	25.5(1.004)	4,000
60	11.5(.453)	24.0(.945)	25.5(1.004)	4,000

Note:

- Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.
- Specifications are subject to change without prior notice.

PC board layout (viewed from component side)



Note:

- Tolerances are non-cumulative: $\pm 0.03\text{mm}$ ($\pm 0.001''$) for all centers.
- The dimensions above should serve as a guideline. Contact JST for details.

JAN CONNECTOR

Assembly layout

