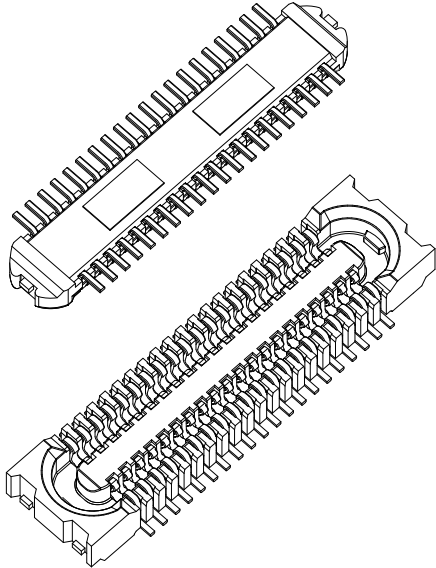


JKGN CONNECTOR

0.35 mm pitch / Board-to-board connectors



This connector is 0.35 mm pitch board-to-board (FPC) connection connector with mounting height 1.0 mm, product width 2.88 mm.

Features

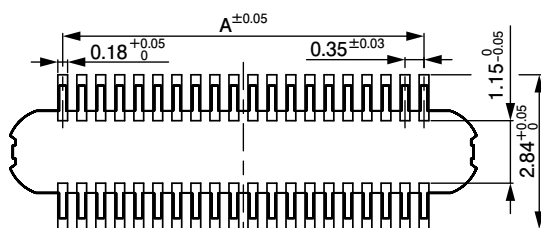
- Contact lock mechanism for secure high retention force
- 2-point contact provides high reliability
- Secure wiring space at the bottom of the contact
(No pattern prohibited area)
- Power saving by 0.5A/pin
- Clear click feeling when mating

Specifications

- Current rating: 0.5 A AC/DC
- Voltage rating: 30 V AC/DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 50 mΩ max.
After environmental tests/ 80 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 100 VAC/minute
- * In using the products, refer to "Handling Precaution for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

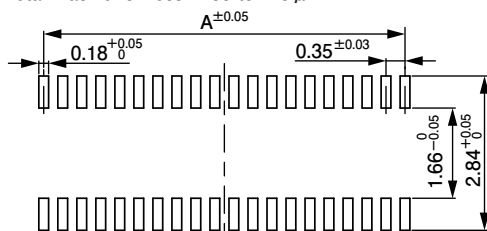
PC board layout

Plug



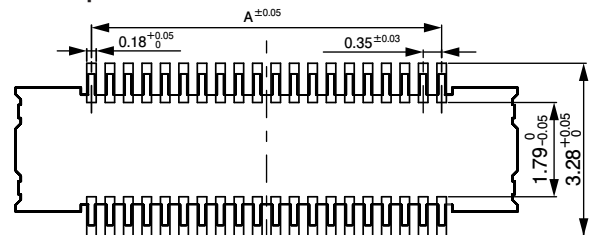
PC board layout

- Metal mask thickness 100 to 120 μm



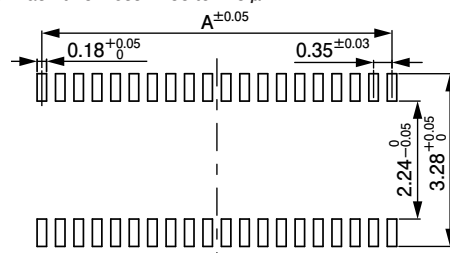
Metal mask layout

Receptacle



PC board layout

- Metal mask thickness 100 to 120 μm

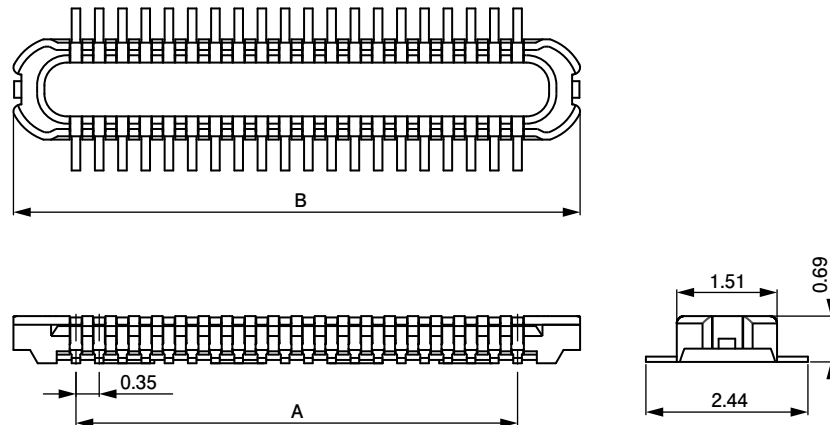


Metal mask layout

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.03 mm for all centers.
Please contact JST for details as the dimensions shown in the above figure are reference values.
3. Contact JST for nitrogen (N2) reflow soldering.

JKGN CONNECTOR

Plug

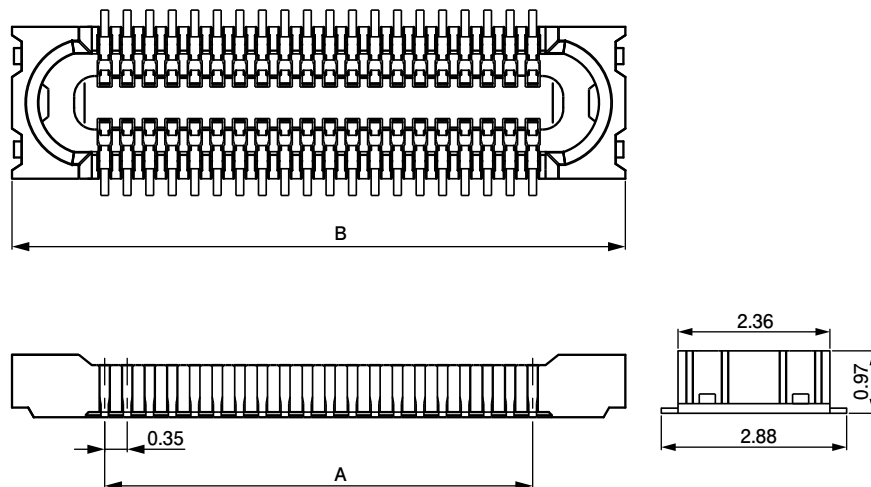


No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel	Material and Finish
		A	B		
40	40P-JKGNK-GAN-ETF(HF)	6.65	8.53	9,000	Contact: Copper alloy, nickel-undercoated, gold-plated Housing: LCP, UL94V-0 Other: Brass
90	90P-JKGNK-GAN-ETF(HF)	15.4	17.28	9,000	

RoHS2 compliance

Note: The products listed above are supplied on embossed-tape.

Receptacle



No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel	Material and Finish
		A	B		
40	40R1.0-JKGNK-GAN-ETF(HF)	6.65	9.53	7,400	Contact: Copper alloy, nickel-undercoated, gold-plated Housing: LCP, UL94V-0 Other: Brass
90	90R1.0-JKGNK-GAN-ETF(HF)	15.4	18.28	7,400	

RoHS2 compliance

Note: The products listed above are supplied on embossed-tape.