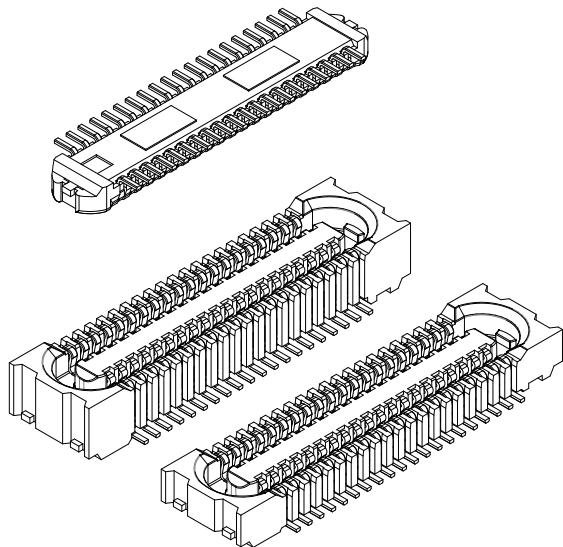




JKGN CONNECTOR

0.35 mm pitch /Wire-to-Board connectors/Board-to-Board connectors



This connector is 0.35 mm pitch board-to-board (FPC) connection connector with mounting height 1.0 mm or 1.5 mm, and product width 2.88 mm.

Features

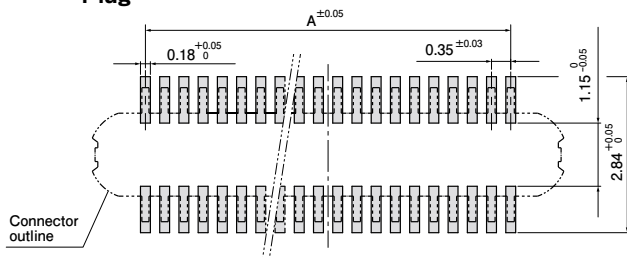
- Contact lock mechanism for secure high retention force
- 2-point contact provides high reliability
- Secure wiring space at the bottom of the contact (No pattern prohibited area)
- Applicable for 0.5 A / pin
- Clear click feeling when mating

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: There shall be no breakdown or flashover while applying 100 VAC for one minute.
- * Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

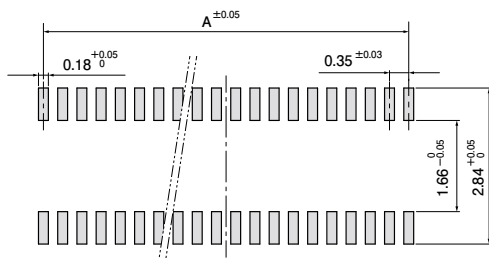
PC board layout

Plug



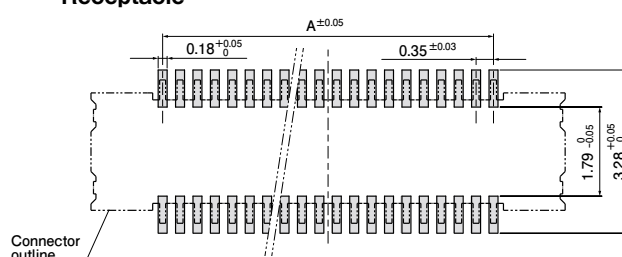
Recommended PC board layout

- Metal mask thickness 100 to 120 μm

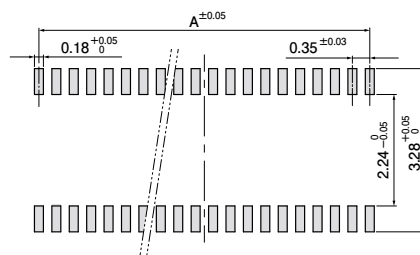


Recommended metal mask layout

Receptacle



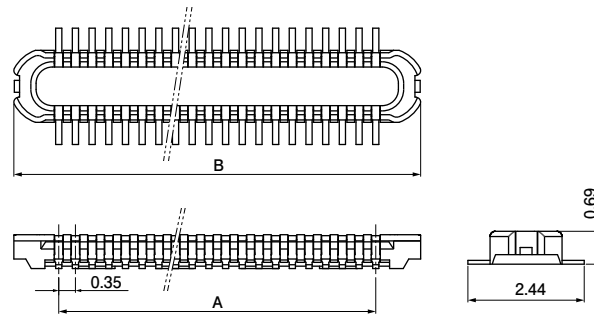
Recommended PC board layout



Recommended metal mask layout

Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerances for the PCB pattern pitch shall be ± 0.03 and shall not accumulate.
The above dimensions are reference values. Please contact JST for details.
3. Contact JST for nitrogen (N2) reflow soldering.

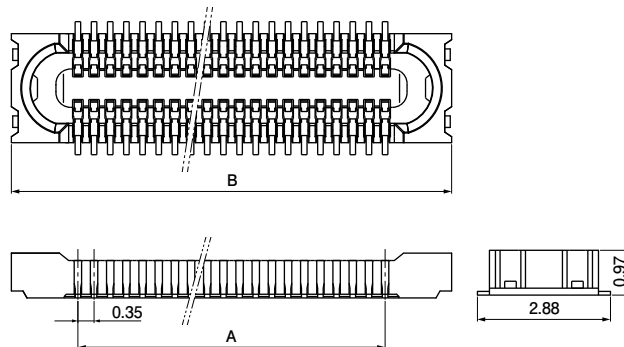
Plug



No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel	Material and Surface finish, etc.
		A	B		
30	30P-JKGNK-GAN-ETF(HF)	4.90	6.78	9,000	Contact: Copper alloy, selective gold-plated Housing: LCP, UL94V-0 Other: Copper alloy
40	40P-JKGNK-GAN-ETF(HF)	6.65	8.53	9,000	
60	60P-JKGNK-GAN-ETF(HF)	10.15	12.03	9,000	
70	70P-JKGNK-GAN-ETF(HF)	11.90	13.78	9,000	
90	90P-JKGNK-GAN-ETF(HF)	15.40	17.28	9,000	

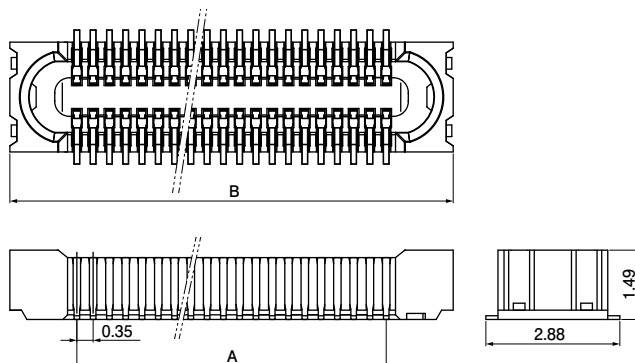
Note: This product is supplied on embossed tape and reel packaging.

Receptacle



No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel	Material and Surface finish, etc.
		A	B		
40	40R1.0-JKGNK-GAN-ETF(HF)	6.65	9.53	7,400	Contact: Copper alloy, selective gold-plated Housing: LCP, UL94V-0 Other: Copper alloy
60	60R1.0-JKGNK-GAN-ETF(HF)	10.15	13.03	7,400	
90	90R1.0-JKGNK-GAN-ETF(HF)	15.40	18.28	7,400	

Note: This product is supplied on embossed tape and reel packaging.



No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel	Material and Surface finish, etc.
		A	B		
30	30R1.5-JKGNK-GAN-ETF(HF)	4.90	7.78	6,000	Contact: Copper alloy, selective gold-plated Housing: LCP, UL94V-0 Other: Copper alloy
40	40R1.5-JKGNK-GAN-ETF(HF)	6.65	9.53	6,000	
60	60R1.5-JKGNK-GAN-ETF(HF)	10.15	13.03	6,000	
70	70R1.5-JKGNK-GAN-ETF(HF)	11.90	14.78	6,000	
90	90R1.5-JKGNK-GAN-ETF(HF)	15.40	18.28	6,000	

Note: This product is supplied on embossed tape and reel packaging.