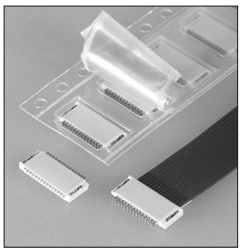
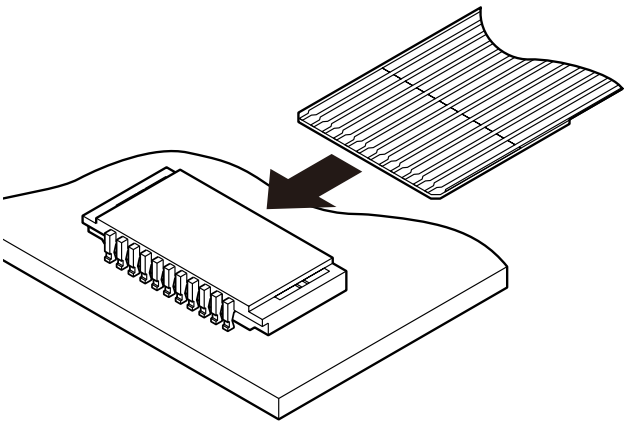


FHJ CONNECTOR

0.5mm pitch/Connectors for FPC

Emboss Tape

NON-ZIF TYPE



Non-ZIF type low profile of 1.2mm mounting height. 0.3mm thick standard type FPC is applicable.

- ***Compact mounting space***
- ***Heat resisting design suitable for surface mounting***

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/40m Ω max.
  After environmental testing/20m Ω max.
  (variation from initial value)
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 200V AC/minute
- Applicable FPC: Conductor pitch/0.5mm
  Conductor width/0.35mm
  Mating part thickness/0.3±0.05mm

Note: FPC to be actually used should be checked for applicability.

* Compliant with RoHS.

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

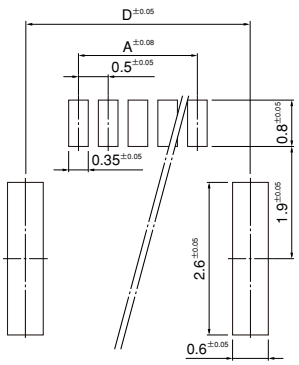
* Contact JST for details.

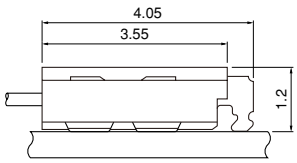
Standards

Recognized E60389

Certified LR20812

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





Note: 1. Tolerances are non-cumulative: ±0.08mm for all centers.
2. The dimensions above should serve as a guide line. Contact JST for details.

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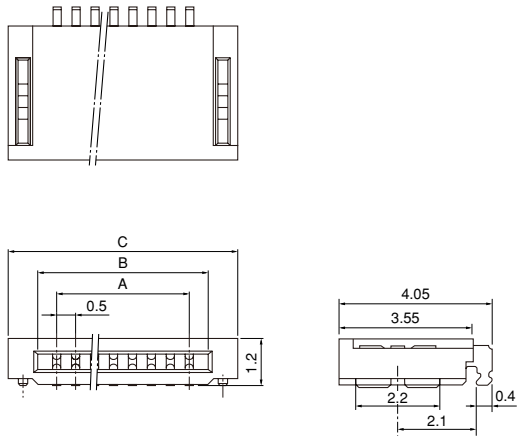
Connector



Gold-plated product

Circuits	Model No.	Dimensions (mm)				Q'ty / reel
		A	B	C	D	
4	**04FHJ-SM1-GAN-TB**	1.5	2.5	4.1	3.3	4,000
5	**05FHJ-SM1-GAN-TB**	2.0	3.0	4.6	3.8	4,000
6	**06FHJ-SM1-GAN-TB**	2.5	3.5	5.1	4.3	4,000
7	**07FHJ-SM1-GAN-TB**	3.0	4.0	5.6	4.8	4,000
8	**08FHJ-SM1-GAN-TB**	3.5	4.5	6.1	5.3	4,000
9	**09FHJ-SM1-GAN-TB**	4.0	5.0	6.6	5.8	4,000
10	**10FHJ-SM1-GAN-TB**	4.5	5.5	7.1	6.3	4,000
11	**11FHJ-SM1-GAN-TB**	5.0	6.0	7.6	6.8	4,000
12	**12FHJ-SM1-GAN-TB**	5.5	6.5	8.1	7.3	4,000
13	**13FHJ-SM1-GAN-TB**	6.0	7.0	8.6	7.8	4,000
14	**14FHJ-SM1-GAN-TB**	6.5	7.5	9.1	8.3	4,000
16	**16FHJ-SM1-GAN-TB**	7.5	8.5	10.1	9.3	4,000
18	**18FHJ-SM1-GAN-TB**	8.5	9.5	11.1	10.3	4,000
20	**20FHJ-SM1-GAN-TB**	9.5	10.5	12.1	11.3	4,000
21	**21FHJ-SM1-GAN-TB**	10.0	11.0	12.6	11.8	4,000
24	**24FHJ-SM1-GAN-TB**	11.5	12.5	14.1	13.3	4,000

Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated (nickel-stripe)
Housing: Heat resisting resin, UL94V-0, natural
Reinforcement: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*

Tin-plated product

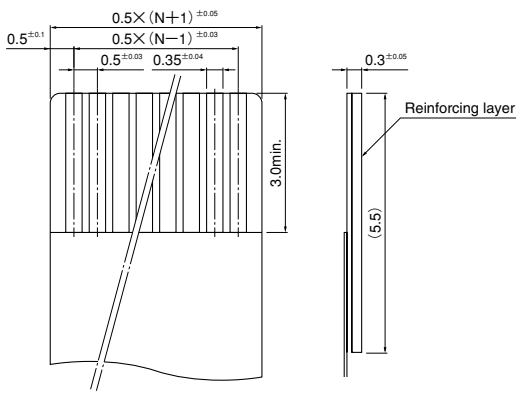
Circuits	Model No.	Dimensions (mm)				Q'ty / reel
		A	B	C	D	
4	**04FHJ-SM1-TB**	1.5	2.5	4.1	3.3	4,000
5	**05FHJ-SM1-TB**	2.0	3.0	4.6	3.8	4,000
6	**06FHJ-SM1-TB**	2.5	3.5	5.1	4.3	4,000
7	**07FHJ-SM1-TB**	3.0	4.0	5.6	4.8	4,000
8	**08FHJ-SM1-TB**	3.5	4.5	6.1	5.3	4,000
9	**09FHJ-SM1-TB**	4.0	5.0	6.6	5.8	4,000
10	**10FHJ-SM1-TB**	4.5	5.5	7.1	6.3	4,000
11	**11FHJ-SM1-TB**	5.0	6.0	7.6	6.8	4,000
12	**12FHJ-SM1-TB**	5.5	6.5	8.1	7.3	4,000
13	**13FHJ-SM1-TB**	6.0	7.0	8.6	7.8	4,000
14	**14FHJ-SM1-TB**	6.5	7.5	9.1	8.3	4,000
16	**16FHJ-SM1-TB**	7.5	8.5	10.1	9.3	4,000
18	**18FHJ-SM1-TB**	8.5	9.5	11.1	10.3	4,000
20	**20FHJ-SM1-TB**	9.5	10.5	12.1	11.3	4,000
21	**21FHJ-SM1-TB**	10.0	11.0	12.6	11.8	4,000
24	**24FHJ-SM1-TB**	11.5	12.5	14.1	13.3	4,000

Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Housing: LCP, UL94V-0
Solder tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance *This product displays (LF)(SN) on a label.*

Lead section dimensions of FPC



Note: N --- Number of circuits

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