

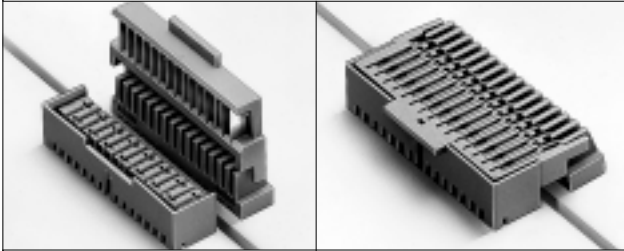


1.25mm
(.049") pitch

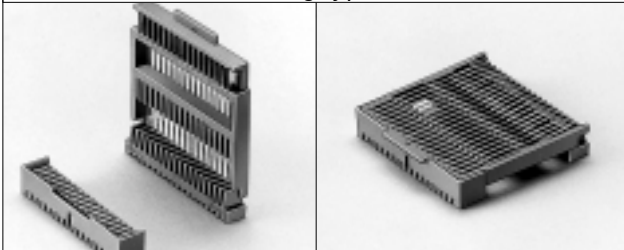
1.25FJ CONNECTOR

Board-to-board connectors

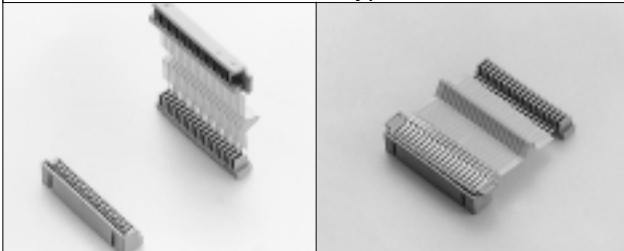
Short type



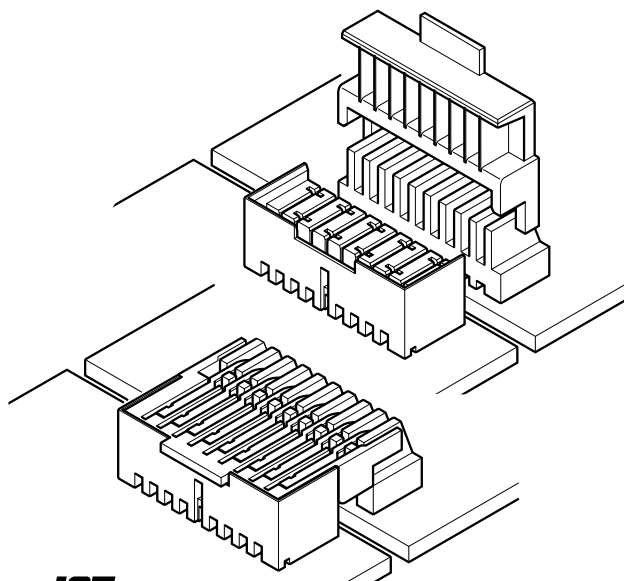
Long type



1.25FJ-N type



The 1.25FJ connector is a 1.25mm (.049") pitch board-to-board connector. Its plug consists of a unique flexible hinge that absorbs circuit board misalignment. Board-to-board connection requires less labor and is more reliable because the connection can be made without the use of harnesses after the printed circuit boards are installed in their enclosures.



Features

• Low profile

The 1.25FJ Connector is only 5.0mm (.197") in mounting height.

• Allows connection after mounting

The unique flexible construction of the plug allows it to be mated after its printed circuit boards are mounted in their enclosures.

• Assures a reliable connection

Superior reliability is assured even if the assembly is subjected to external stress and vibration. This sturdiness is due to a secure locking device and the use of JST's high-retention zigzag fork contacts.

Specifications

- Current rating: 0.5A(1.0A :1.25FJ-N type) AC, DC
 - Voltage rating: 50V AC, DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance:
 - Short type.....Initial value/40m Ω max.
After environmental testing/60m Ω max.
 - Long type.....Initial value/70m Ω max.
After environmental testing/90m Ω max.
 - 1.25FJ-N type... Initial value/50m Ω max.
After environmental testing/100m Ω max.
 - Insulation resistance: 500M Ω min.
 - Withstanding voltage: 500V AC/minute
 - Applicable PC board thickness: 1.6mm(.063")
- * Contact JST for details.

Standards



Recognized E60389

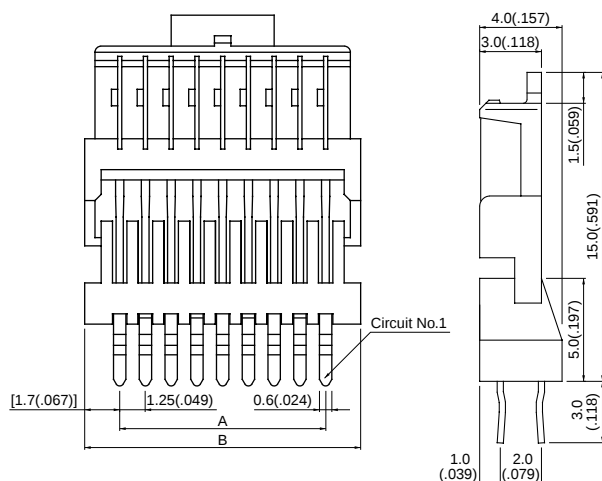


Certified LR20812

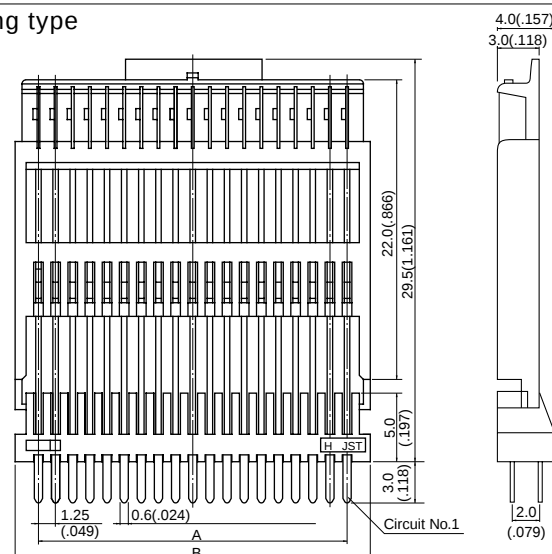
1.25FJ CONNECTOR

Plug

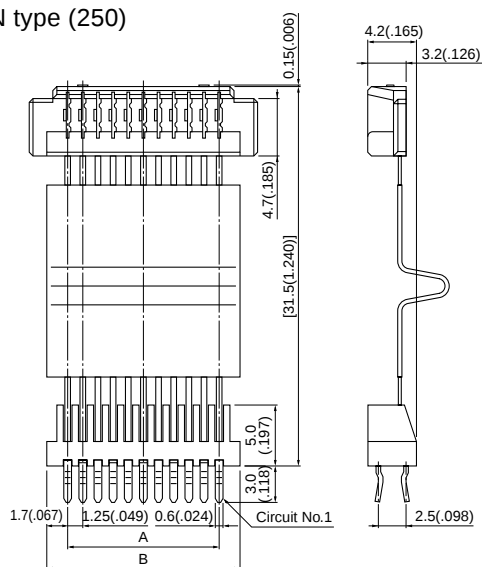
Short type



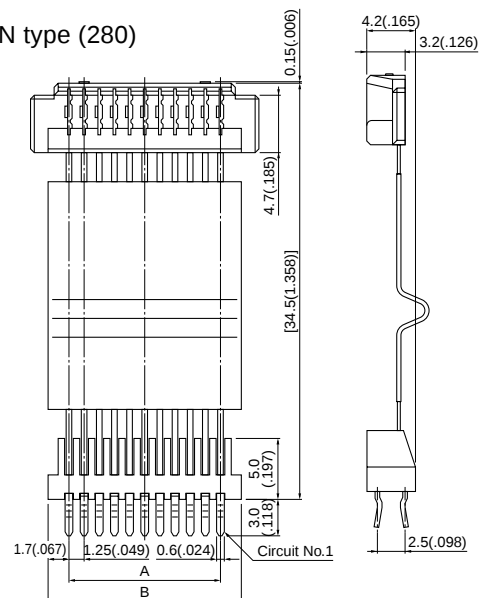
Long type



1.25FJ-N type (250)



1.25FJ-N type (280)



Circuits	Model No.				Dimensions mm(in.)		Q'ty / box			
	Short type	Long type	1.25FJ-N type		A	B	Short type	Long type	1.25FJ-N type	
			250 type	280 type					250 type	280 type
7	—	—	—	07P280K-1.25FJN	7.5(.295)	10.9(.429)	—	—	—	400
9	09P-1.25FJ	—	—	—	10.0(.394)	13.4(.527)	120	—	—	—
11	11P-1.25FJ	—	11P250K-1.25FJNA	11P280K-1.25FJN	12.5(.492)	15.9(.626)	120	—	280	280
13	13P-1.25FJ	—	13P250K-1.25FJNA	13P280K-1.25FJN	15.0(.591)	18.4(.724)	120	—	280	280
15	15P-1.25FJ	—	—	—	17.5(.689)	20.9(.823)	120	—	—	—
19	19P-1.25FJ	19P-215S-1.25FJ	19P250K-1.25FJNA	19P280K-1.25FJN	22.5(.886)	25.9(1.020)	120	280	200	200
21	21P-1.25FJ	—	—	—	25.0(.984)	28.4(1.118)	120	—	—	—

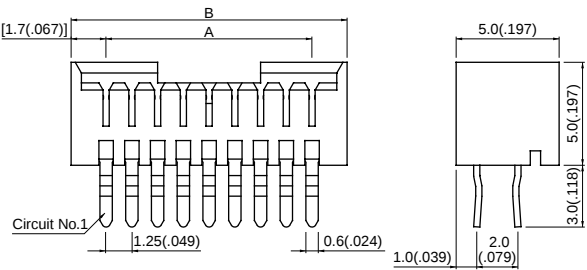
Material and Finish

Contact: Short type & Long type / Phosphor bronze, copper-undercoated, tin-plated
 1.25FJ-N type / Copper-alloy, tin-plated
 Housing: Glass-filled nylon 66, UL94V-0

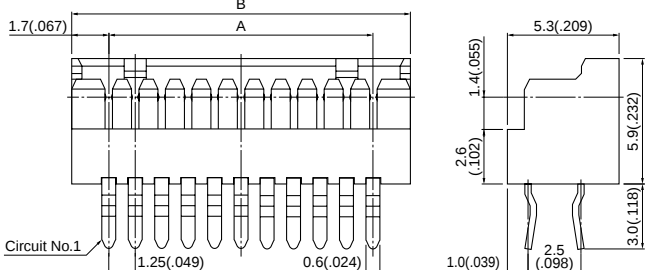
1.25FJ CONNECTOR

Receptacle

Short type & Long type



1.25FJ-N type



Circuits	Model No.		Dimensions mm(in.)		Q'ty / box	
	Short type & Long type	1.25FJ-N type	A	B	Short type & Long type	1.25FJ-N type
7	—	07RK-1.25FJN	7.5(.295)	10.9(.429)	—	1,710
9	09R-1.25FJ	—	10.0(.394)	13.4(.527)	500	—
11	11R-1.25FJ	11RK-1.25FJN	12.5(.492)	15.9(.626)	500	1,170
13	13R-1.25FJ	13RK-1.25FJN	15.0(.591)	18.4(.724)	500	990
15	15R-1.25FJ	—	17.5(.689)	20.9(.823)	500	—
19	19R-1.25FJ	19RK-1.25FJN	22.5(.886)	25.9(1.020)	250	720
21	21R-1.25FJ	—	25.0(.984)	28.4(1.118)	200	—

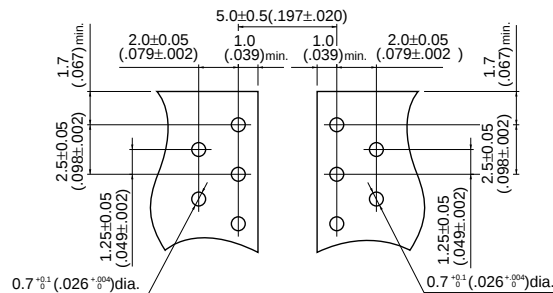
Material and Finish

Contact: Short type & Long type/Phosphor bronze, nickel-undercoated, tin/lead-plated
1.25FJ-N type/Phosphor bronze, copper-undercoated, tin/lead-plated
Housing: Glass-filled nylon 66, UL94V-0

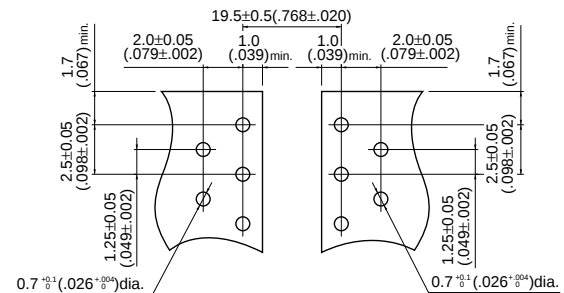
1.25FJ CONNECTOR

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

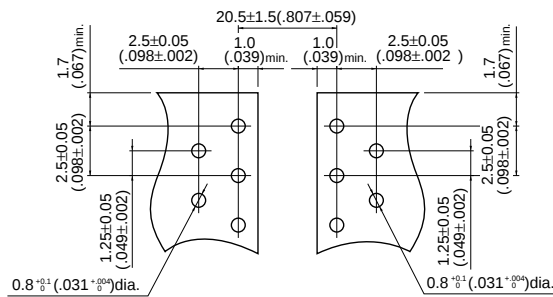
Short type



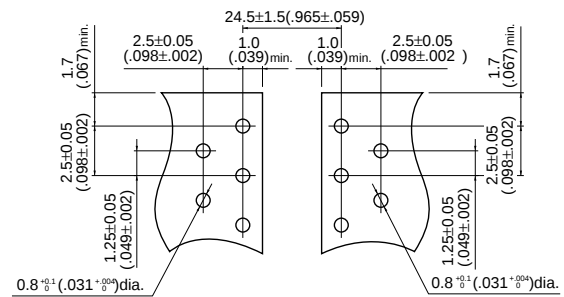
Long type



1.25FJ-N type(250)



1.25FJ-N type(280)

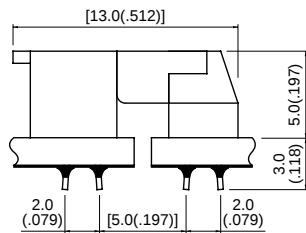


Note:

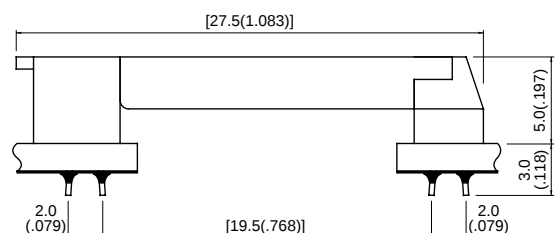
1. Tolerances are non-cumulative: $\pm 0.05\text{mm} (\pm .002")$ for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Assembly layout

Short type



Long type



1.25FJ-N type (280)

