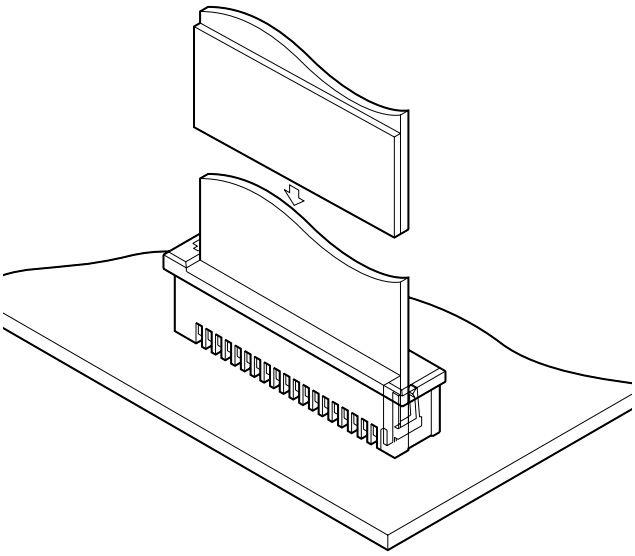
FMZ CONNECTOR

ZIF TYPE

1.0mm pitch/Connectors for FFC



The FMZ series, a Zero Insertion Force (ZIF) connector series, was developed to increase wear resistance and extend the connector's mating life. It is a very compact connector with a thickness of only 4.2 mm and a pitch of only 1.0 mm and is thus useful for high density packaging. The contact has a reliable double-leaf construction which provides stable connection.

- ***Zero insertion force mechanism***
- ***Temporary retention feature***
- ***Compact***
- ***Double-leaf contact***

Specifications

- Current rating: 0.5 A AC, DC
- Voltage rating: 50 V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
  After environmental tests/ 30 mΩ max.
- Insulation resistance: 800 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable FFC: Conductor pitch/ 1.0 mm
  Conductor width/ 0.7 mm
  Mating part thickness/
  6, 8 to 10, 12 to 16, 20 circuits: 0.3 ± 0.05 mm
  22, 26, 28, 30 circuits: $0.3^{+0.05}_{0}$ mm
- Applicable PC board thickness: 0.8 to 1.6 mm

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

* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

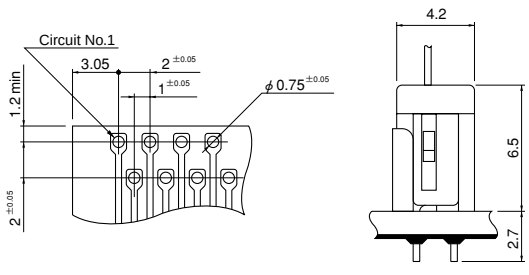
Standards

Recognized E60389

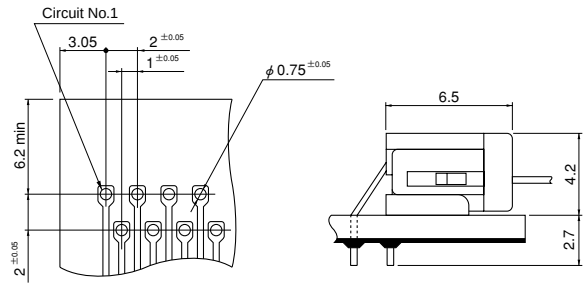
Certified LR20812

PC board layout and Assembly layout

Top entry type



Side entry type



Note: 1. The above figure is the figure viewed from the connector soldering side.
2. Tolerances are non-cumulative: ±0.05 mm for all centers.
3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

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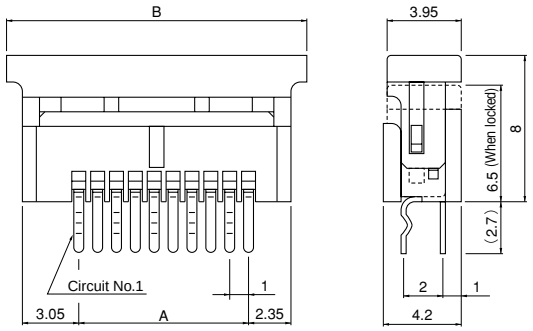
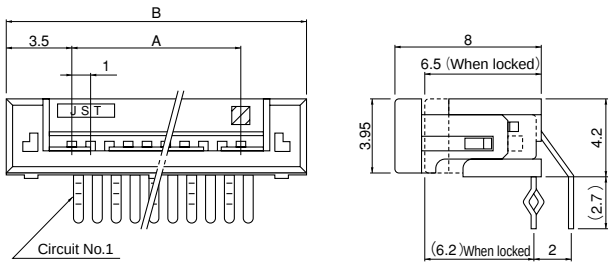
FMZ CONNECTOR

Connector

Top entry type



Side entry type

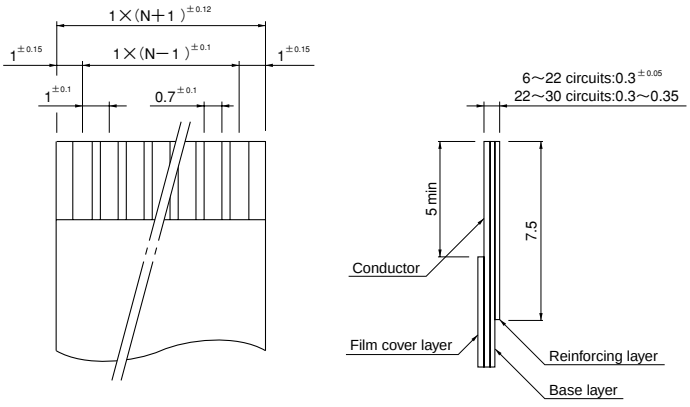


Circuits	Model No.		Dimensions (mm)		Q'ty/box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
6	**06FMZ-BT**	**06FMZ-ST**	5.0	12.0	1,440	800
8	**08FMZ-BT**	**08FMZ-ST**	7.0	14.0	1,440	800
9	**09FMZ-BT**	—	8.0	15.0	960	—
10	**10FMZ-BT**	**10FMZ-ST**	9.0	16.0	960	600
12	**12FMZ-BT**	**12FMZ-ST**	11.0	18.0	960	600
13	**13FMZ-BT**	**13FMZ-ST**	12.0	19.0	960	600
14	**14FMZ-BT**	**14FMZ-ST**	13.0	20.0	960	400
15	**15FMZ-BT**	**15FMZ-ST**	14.0	21.0	780	400
16	**16FMZ-BT**	**16FMZ-ST**	15.0	22.0	780	400
17	**17FMZ-BT**	**17FMZ-ST**	16.0	23.0	780	400
20	**20FMZ-BT**	**20FMZ-ST**	19.0	26.0	720	400
22	**22FMZ-BT**	**22FMZ-ST**	21.0	28.0	720	400
24	—	**24FMZ-ST**	23.0	30.0	—	300
26	**26FMZ-BT**	**26FMZ-ST**	25.0	32.0	480	300
28	**28FMZ-BT**	**28FMZ-ST**	27.0	34.0	480	300
30	**30FMZ-BT**	**30FMZ-ST**	29.0	36.0	480	300

Material and Finish
Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Housing: Glass-filled PBT, UL94V-0

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

Lead section dimensions of FFC



Note: N --- Number of circuits

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