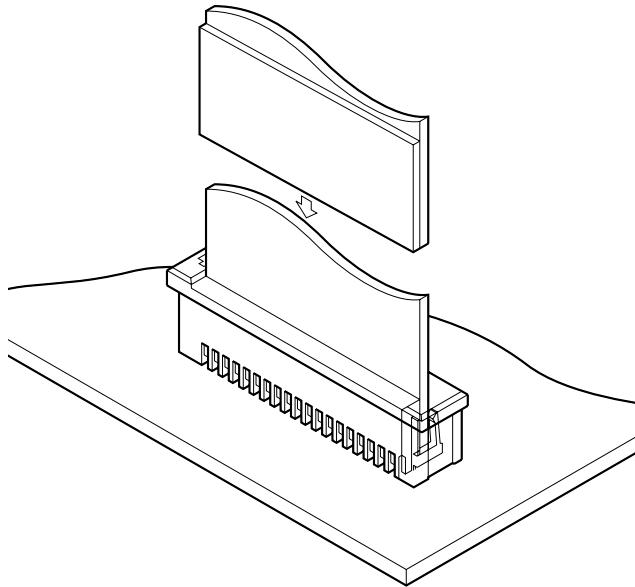




# FMZ CONNECTOR

## 1.0mm pitch/Connectors for FFC

**ZIF**  
TYPE



**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 4.2mm and a pitch of only 1.0mm 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: 0.5A 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/20mΩ max.  
After environmental testing/30mΩ max.
- Insulation resistance: 800MΩ min.
- Withstanding voltage: 500V AC/minute
- Applicable FFC : Conductor pitch/1.0mm  
Conductor width/0.7mm  
Mating part thickness/  
6, 8 to 10, 12 to 16, 20 circuits: 0.3±0.05mm  
22, 26, 28, 30 circuits: 0.3<sup>0.05</sup> mm
- Applicable PC board thickness: 0.8 to 1.6mm

*Note: FFC 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.

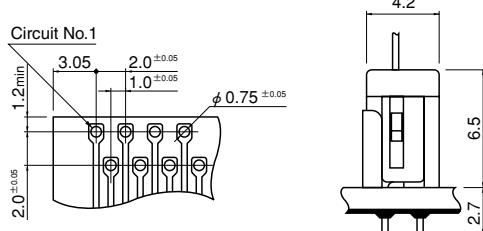
### Standards

■ Recognized E60389

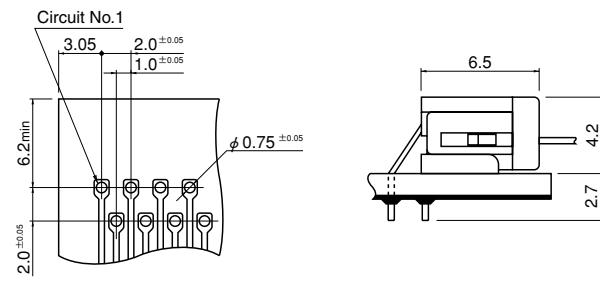
■ Certified LR20812

### PC board layout (viewed from soldering side) and Assembly layout

#### Top entry type



#### Side entry type



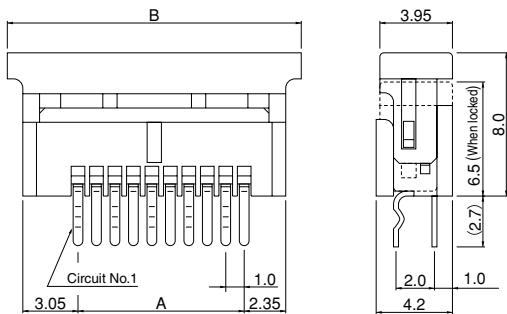
*Note: 1. Tolerances are non-cumulative: ±0.05mm for all centers.*

*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.*

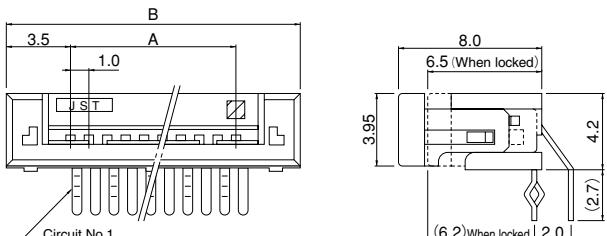
# FMZ CONNECTOR

## Connector

### Top entry type



### Side entry type



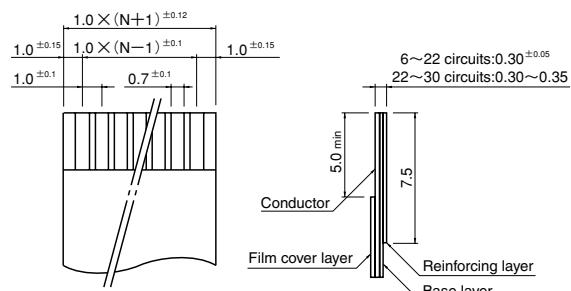
Circuits	Model No.		Dimensions (mm)		Q'ty / box	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
6	<b>06FMZ-BT</b>	<b>06FMZ-ST</b>	5.0	12.0	1,440	800
8	<b>08FMZ-BT</b>	<b>08FMZ-ST</b>	7.0	14.0	1,440	800
9	<b>09FMZ-BT</b>	<b>09FMZ-ST</b>	8.0	15.0	960	600
10	<b>10FMZ-BT</b>	<b>10FMZ-ST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