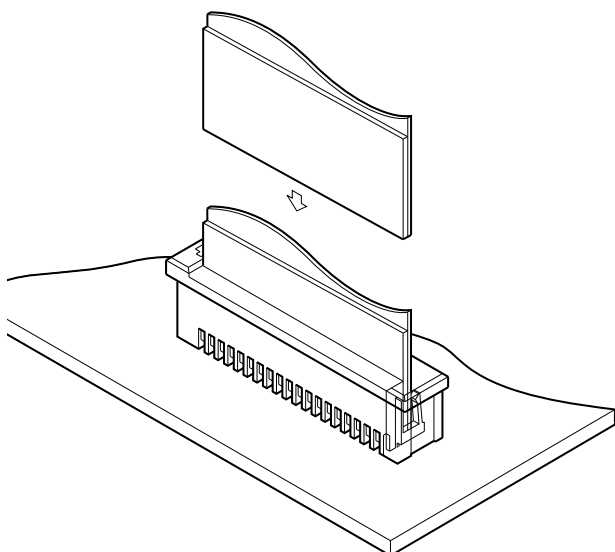




# FMZ CONNECTOR

1.0 mm pitch/Connectors for PC board/For FFC, ZIF type



The FMZ connector is ZIF type PC board connector to which 1.0 mm lead pitch FFC can be connected. Secure locking of connector is enabled by operating the slider after inserting FFC in the connector with low insertion force. In spite of ZIF type, a high density of 4.2 mm in thickness is achieved.

- Reliable connection by adopting ZIF method
- Temporary retention feature to prevent work problems
- Compact design with a thickness of 4.2 mm
- Stable connection due to double leaf construction

## Standards

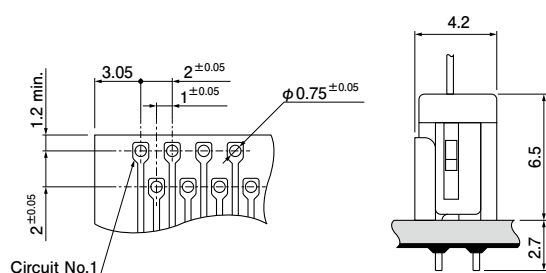
- Ⓜ : Recognized E60389
- Ⓢ : Certified LR20812

## Specifications

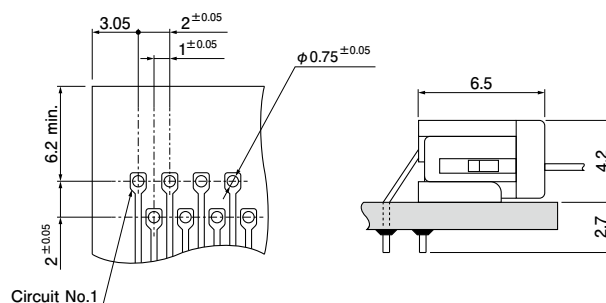
- Current rating: 0.5 A AC/DC
- Voltage rating: 50 V AC/DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.  
After environmental tests/ 30 mΩ max.
- Insulation resistance: 800 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable FFC: Conductor pitch/ 1.0 mm  
Conductor width/ 0.7 mm  
Mating part thickness/  
20 circuits or less:  $0.30 \pm 0.05$  mm  
22 circuits or more:  $0.30^{+0.05}_0$  mm
- Applicable PC board thickness: 0.8 to 1.6 mm
- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit : mm
- \* Contact JST for details.

## 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:  $\pm 0.05$  mm for all centers.

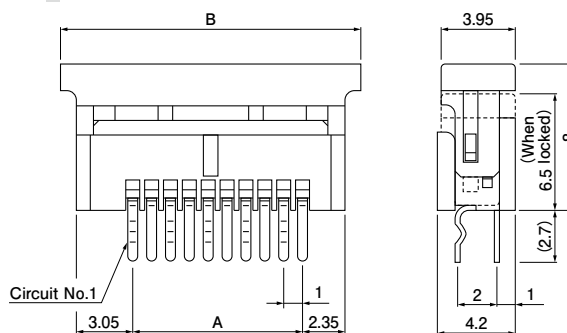
3. Hole dimensions differ according to the type of PC board and piercing method.

Please contact JST for details as the dimensions shown in the above figure are reference values.

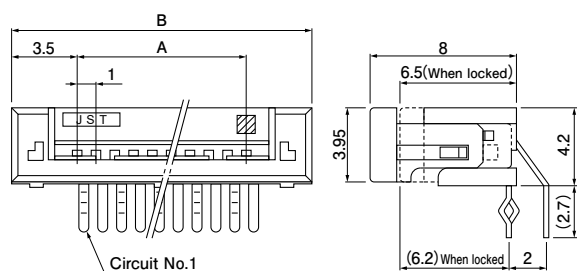
# FMZ CONNECTOR

## Connector

### Top entry type



### Side entry type



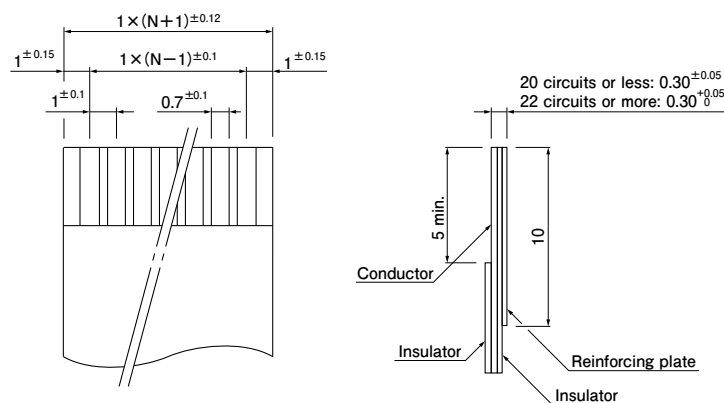
| No. of circuits | Model No.      |                 | Dimensions (mm) |      | Q'ty/box       |                 |
|-----------------|----------------|-----------------|-----------------|------|----------------|-----------------|
|                 | Top entry type | Side entry type | A               | 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       | —               | 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       | —               | 16.0            | 23.0 | 780            | —               |
| 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-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

RoHS2 compliance This product displays (LF) (SN) on a label.

## Dimensions of FFC lead section



Note: N — Number of circuits