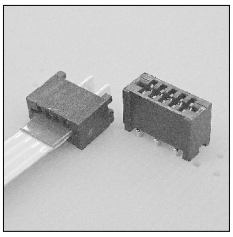
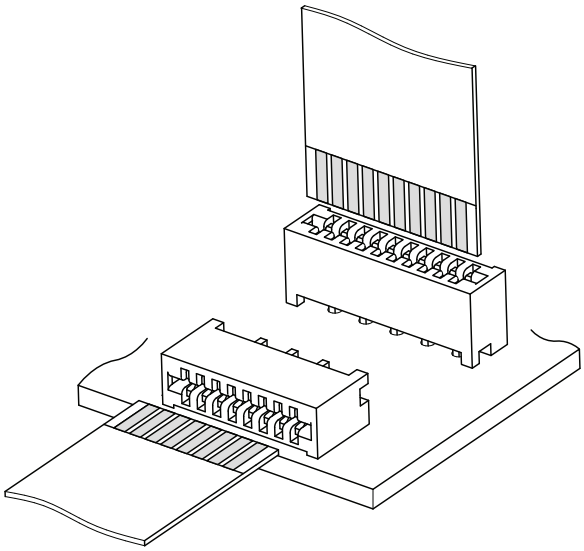


FM CONNECTOR

1.0 mm pitch/ Board-to-FFC/FPC connector/ Non-ZIF type



The FM connector is a non-ZIF type FFC/FPC connector in 1.0 mm pitch. Both Through-Hole and SMT types are available in top-entry and side-entry configurations, catering to a wide range of applications.

- Non-ZIF
- Multiple configurations
- Double-sided contact structure
- Embossed tape packaging (SMT Type)

■ Specifications

- Current rating: 0.5 A AC/DC
- Voltage rating: 50 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 mΩ max.
  After test/ 30 mΩ max.
- Insulation resistance: 800 MΩ min.
- Withstanding voltage:
  There shall be no breakdown or flashover while applying 500 VAC for one minute.
- Applicable FFC/FPC:
  Conductor pitch/ 1.0 mm
  Conductor width/ 0.7 mm
  Thickness of contact area/ $0.33^{+0.02}_{-0.03}$ mm
- Applicable PC board thickness: 0.8 mm to 1.6 mm
  (For through-hole type.)

* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the “Technical Documents” column on the Product Information page) before use.
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

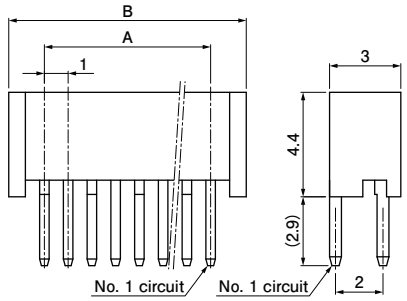
■ Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

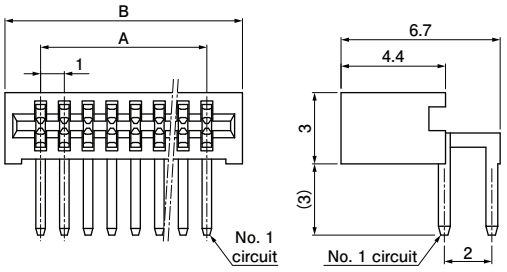
* Specifications registered to overseas standards may differ from the general specifications listed above.

Connector/ Through-hole type

Top entry type



Side entry type



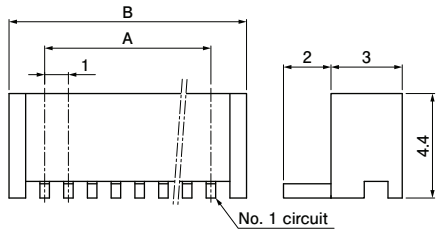
No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	Top entry type	Side entry type	A	B	
3	**03FM-1.0BT**	**03FM-1.0ST**	2.0	5.0	100
4	**04FM-1.0BT**	**04FM-1.0ST**	3.0	6.0	100
5	**05FM-1.0BT**	**05FM-1.0ST**	4.0	7.0	100
6	**06FM-1.0BT**	**06FM-1.0ST**	5.0	8.0	100
7	**07FM-1.0BT**	—	6.0	9.0	100
8	**08FM-1.0BT**	**08FM-1.0ST**	7.0	10.0	50
10	**10FM-1.0BT**	**10FM-1.0ST**	9.0	12.0	50
12	**12FM-1.0BT**	**12FM-1.0ST**	11.0	14.0	50

Material and Surface finish, etc.
Contact: Copper alloy, tin-plated Housing: PBT, black

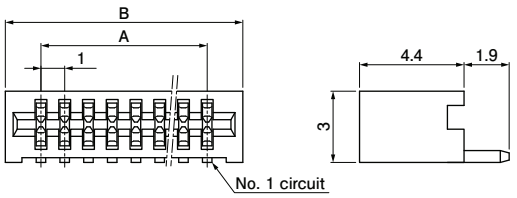
Note: 1. This product displays (LF)(SN) on a label.
2. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Connector/ SMT type

Top entry type



Side entry type



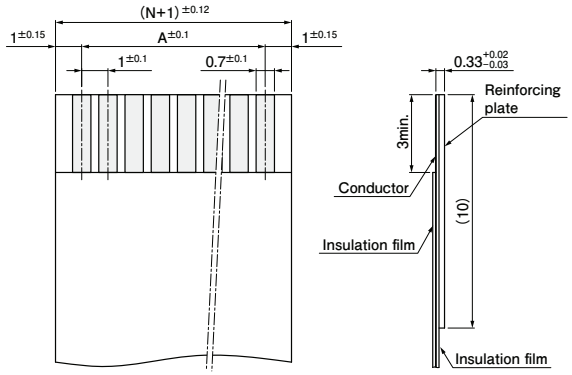
No. of circuits	Model No.		Dimensions (mm)		Q'ty/reel	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
3	—	**03FM-1.0SP-1.9-TF**	2.0	5.0	—	2,500
4	**04FM-1.0BP-TF**	**04FM-1.0SP-1.9-TF**	3.0	6.0	1,000	2,500
5	**05FM-1.0BP-TF**	**05FM-1.0SP-1.9-TF**	4.0	7.0	1,000	2,500
6	**06FM-1.0BP-TF**	**06FM-1.0SP-1.9-TF**	5.0	8.0	1,000	2,500
7	**07FM-1.0BP-TF**	**07FM-1.0SP-1.9-TF**	6.0	9.0	1,000	2,500
8	**08FM-1.0BP-TF**	**08FM-1.0SP-1.9-TF**	7.0	10.0	1,000	2,500

Material and Surface finish, etc.
Contact: Copper alloy, tin-plated Housing: PPS, natural (dark brown)

Note: 1. This product displays (LF)(SN) on a label.
2. This product is supplied on embossed tape and reel packaging.
3. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

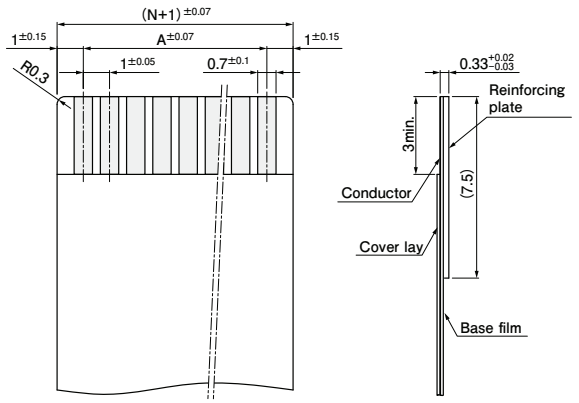
FFC, FPC recommended dimensions

FFC



Note: 1. N : No. of circuits
2. Dimensions A: See "Connector" section on page 2.

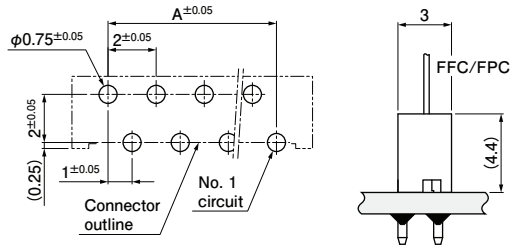
FPC



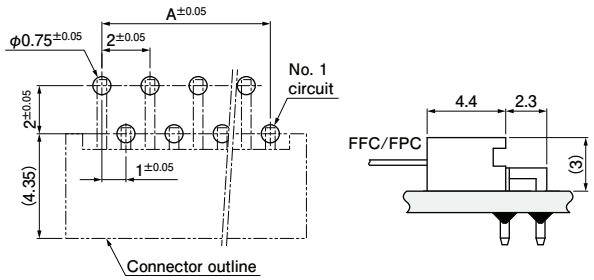
Note: 1. N : No. of circuits
2. Dimensions A: See "Connector" section on page 2.

PC board layout and Assembly layout/ Through-hole type

Top entry type



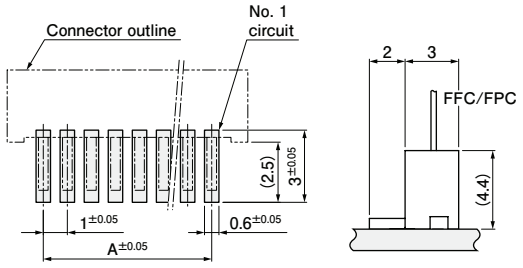
Side entry type



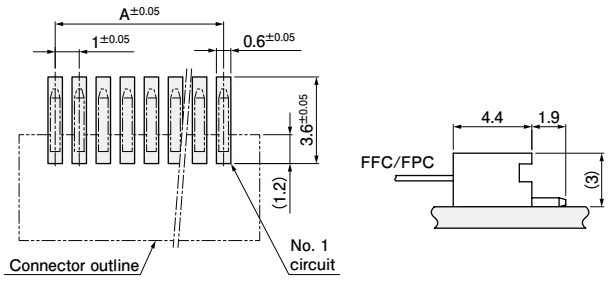
Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerance for the PCB hole pitch shall be ± 0.05, and shall not accumulate more than ± 0.05.
3. Dimensions A: See "Connector/ Through-hole type" section on page 2.
4. Hole dimensions differ depending on the type of PCB and PCB drilling method.
The above dimensions are for reference only. Please contact JST for further details.

PC board layout and Assembly layout/ SMT type

Top entry type



Side entry type



Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. Tolerance for the PCB pattern pitch shall be ± 0.05, and shall not accumulate more than ± 0.05.
3. Dimensions A: See "Connector/ SMT type" section on page 2.
4. The above dimensions are for reference only. Please contact JST for further details.