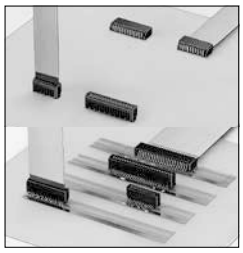
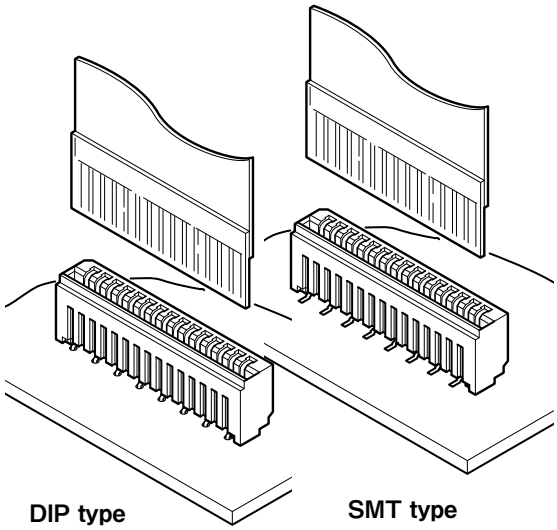


# FMN CONNECTOR

Emboss Tape

## 1.0 mm pitch/Connectors for PC board/For FFC・Non-ZIF Type



DIP type SMT type

**This connector is 1.0 mm pitch for FFC connection. Realized low cost multi-core by adopting contact structure on one side. In addition, it is a multi-entry type connector that has both DIP and SMT types.**

- **Compact, High-density design**
- **Contact structure on one side**
- **Heat resistant design suitable for surface mounting**
- **Applicable to automatic mounting by embossed-taping**

## Specifications

- Current rating: 0.5 A DC
- Voltage rating: 50 V DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 30 mΩ max.
  After environmental tests/ 50 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable FFC: Conductor pitch/ 1.0 mm
  Conductor width/ 0.7 mm
  Mating part thickness/ 0.3 ± 0.05 mm
- Applicable PC board thickness: 1.6 mm

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

* 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.

## Standards

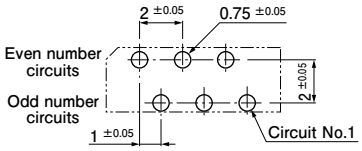
Recognized E60389
Certified LR20812

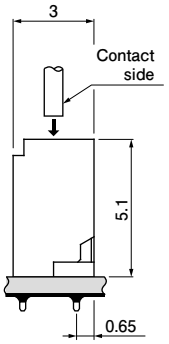
## PC board layout and Assembly layout

### <DIP type>

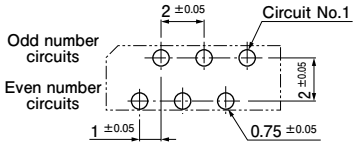
#### Top entry type

●Normal type



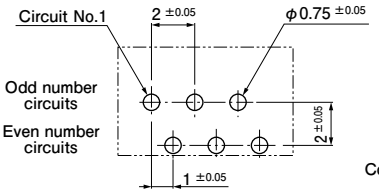



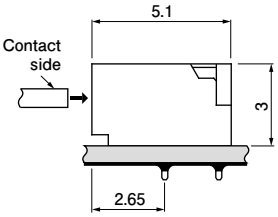

●Reverse type



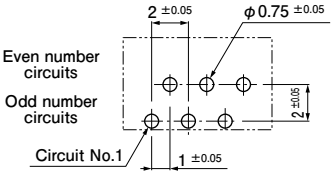

#### Side entry type

●Normal type




●Reverse type

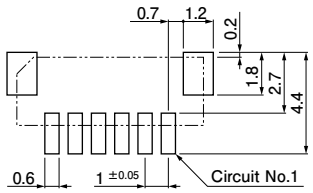


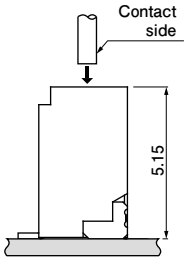

### <SMT type>

#### Top entry type

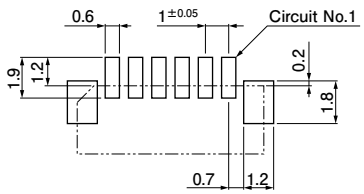
<In-line>

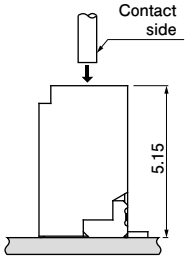
●Normal type



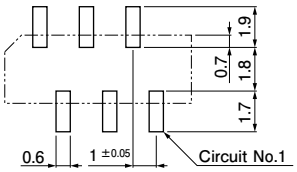

●Reverse type

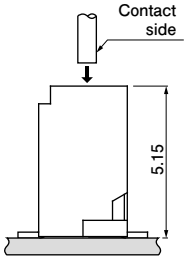


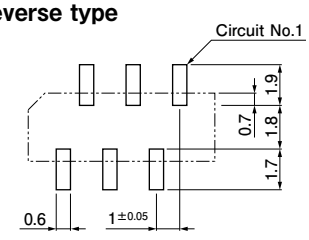

<Staggered>

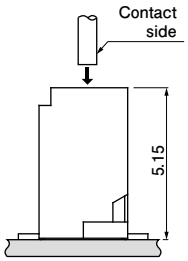
●Normal type



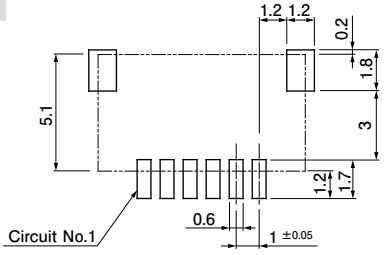



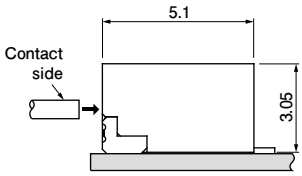

●Reverse type



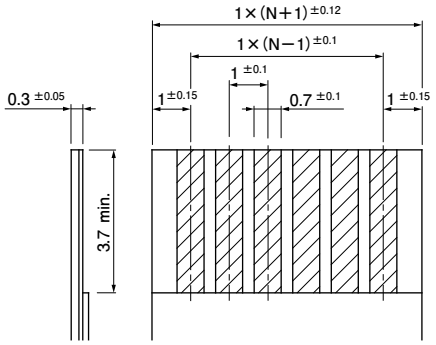

#### Side entry type




Note:
1. The above figure is the figure viewed from the connector mounting 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.

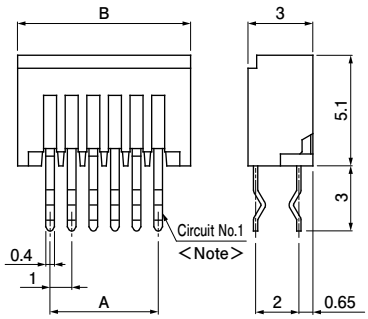
## Lead section dimensions of FFC




Note: N --- Number of circuits

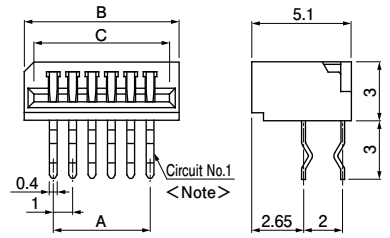
## DIP type Connector

### Top entry type

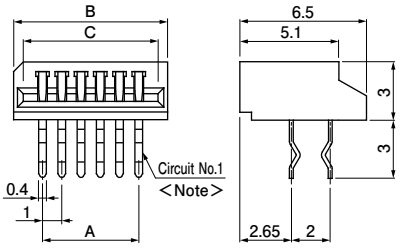



<Note> Normal type: The solder tail for cricuit No.1 contact is positioned in front.
Reverse type: The solder tail for cricuit No.1 contact is positioned behind.

### Side entry type




### Side entry type with stop




| No. of circuits | Model No. | | | | | | Dimensions (mm) | | | Q'ty/box | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Top entry type | | Side entry type | | Side entry type with stop | | | | | | | |
| | Normal type | Reverse type | Normal type | Reverse type | Normal type | Reverse type | A | B | C | Top entry type | Side entry type | Side entry type with stop |
| 4 | 04FMN-BTK-A | 04FMN-BTRK-A | 04FMN-STK-A | 04FMN-STRK-A | 04FMN-SSTK-A | 04FMN-SSTRK-A | 3.0 | 6.0 | 5.0 | 3,600 | 2,160 | 2,520 |
| 5 | 05FMN-BTK-A | 05FMN-BTRK-A | 05FMN-STK-A | 05FMN-STRK-A | 05FMN-SSTK-A | 05FMN-SSTRK-A | 4.0 | 7.0 | 6.0 | 3,100 | 1,860 | 2,170 |
| 6 | 06FMN-BTK-A | 06FMN-BTRK-A | 06FMN-STK-A | 06FMN-STRK-A | 06FMN-SSTK-A | 06FMN-SSTRK-A | 5.0 | 8.0 | 7.0 | 2,700 | 1,620 | 1,890 |
| 7 | 07FMN-BTK-A | 07FMN-BTRK-A | 07FMN-STK-A | 07FMN-STRK-A | 07FMN-SSTK-A | 07FMN-SSTRK-A | 6.0 | 9.0 | 8.0 | 2,400 | 1,440 | 1,680 |
| 8 | 08FMN-BTK-A | 08FMN-BTRK-A | 08FMN-STK-A | 08FMN-STRK-A | 08FMN-SSTK-A | 08FMN-SSTRK-A | 7.0 | 10.0 | 9.0 | 2,100 | 1,260 | 1,470 |
| 9 | 09FMN-BTK-A | 09FMN-BTRK-A | 09FMN-STK-A | 09FMN-STRK-A | 09FMN-SSTK-A | 09FMN-SSTRK-A | 8.0 | 11.0 | 10.0 | 1,900 | 1,140 | 1,330 |
| 10 | 10FMN-BTK-A | 10FMN-BTRK-A | 10FMN-STK-A | 10FMN-STRK-A | 10FMN-SSTK-A | 10FMN-SSTRK-A | 9.0 | 12.0 | 11.0 | 1,800 | 1,080 | 1,260 |
| 11 | 11FMN-BTK-A | 11FMN-BTRK-A | 11FMN-STK-A | 11FMN-STRK-A | 11FMN-SSTK-A | 11FMN-SSTRK-A | 10.0 | 13.0 | 12.0 | 1,600 | 960 | 1,120 |
| 12 | 12FMN-BTK-A | 12FMN-BTRK-A | 12FMN-STK-A | 12FMN-STRK-A | 12FMN-SSTK-A | 12FMN-SSTRK-A | 11.0 | 14.0 | 13.0 | 1,500 | 900 | 1,050 |
| 13 | 13FMN-BTK-A | 13FMN-BTRK-A | 13FMN-STK-A | 13FMN-STRK-A | 13FMN-SSTK-A | 13FMN-SSTRK-A | 12.0 | 15.0 | 14.0 | 1,400 | 840 | 980 |
| 14 | 14FMN-BTK-A | 14FMN-BTRK-A | 14FMN-STK-A | 14FMN-STRK-A | 14FMN-SSTK-A | 14FMN-SSTRK-A | 13.0 | 16.0 | 15.0 | 1,300 | 780 | 910 |
| 15 | 15FMN-BTK-A | 15FMN-BTRK-A | 15FMN-STK-A | 15FMN-STRK-A | 15FMN-SSTK-A | 15FMN-SSTRK-A | 14.0 | 17.0 | 16.0 | 1,200 | 720 | 840 |
| 16 | 16FMN-BTK-A | 16FMN-BTRK-A | 16FMN-STK-A | 16FMN-STRK-A | 16FMN-SSTK-A | 16FMN-SSTRK-A | 15.0 | 18.0 | 17.0 | 1,200 | 720 | 840 |
| 17 | 17FMN-BTK-A | 17FMN-BTRK-A | 17FMN-STK-A | 17FMN-STRK-A | 17FMN-SSTK-A | 17FMN-SSTRK-A | 16.0 | 19.0 | 18.0 | 1,100 | 660 | 770 |
| 18 | 18FMN-BTK-A | 18FMN-BTRK-A | 18FMN-STK-A | 18FMN-STRK-A | 18FMN-SSTK-A | 18FMN-SSTRK-A | 17.0 | 20.0 | 19.0 | 1,000 | 600 | 700 |
| 19 | 19FMN-BTK-A | 19FMN-BTRK-A | 19FMN-STK-A | 19FMN-STRK-A | 19FMN-SSTK-A | 19FMN-SSTRK-A | 18.0 | 21.0 | 20.0 | 1,000 | 600 | 700 |
| 20 | 20FMN-BTK-A | 20FMN-BTRK-A | 20FMN-STK-A | 20FMN-STRK-A | 20FMN-SSTK-A | 20FMN-SSTRK-A | 19.0 | 22.0 | 21.0 | 900 | 540 | 630 |
| 21 | 21FMN-BTK-A | 21FMN-BTRK-A | 21FMN-STK-A | 21FMN-STRK-A | 21FMN-SSTK-A | 21FMN-SSTRK-A | 20.0 | 23.0 | 22.0 | 900 | 540 | 630 |
| 22 | 22FMN-BTK-A | 22FMN-BTRK-A | 22FMN-STK-A | 22FMN-STRK-A | 22FMN-SSTK-A | 22FMN-SSTRK-A | 21.0 | 24.0 | 23.0 | 900 | 540 | 630 |
| 23 | 23FMN-BTK-A | 23FMN-BTRK-A | 23FMN-STK-A | 23FMN-STRK-A | 23FMN-SSTK-A | 23FMN-SSTRK-A | 22.0 | 25.0 | 24.0 | 800 | 480 | 560 |
| 24 | 24FMN-BTK-A | 24FMN-BTRK-A | 24FMN-STK-A | 24FMN-STRK-A | 24FMN-SSTK-A | 24FMN-SSTRK-A | 23.0 | 26.0 | 25.0 | 800 | 480 | 560 |
| 25 | 25FMN-BTK-A | 25FMN-BTRK-A | 25FMN-STK-A | 25FMN-STRK-A | 25FMN-SSTK-A | 25FMN-SSTRK-A | 24.0 | 27.0 | 26.0 | 800 | 480 | 560 |
| 26 | 26FMN-BTK-A | 26FMN-BTRK-A | 26FMN-STK-A | 26FMN-STRK-A | 26FMN-SSTK-A | 26FMN-SSTRK-A | 25.0 | 28.0 | 27.0 | 700 | 420 | 490 |
| 27 | 27FMN-BTK-A | 27FMN-BTRK-A | 27FMN-STK-A | 27FMN-STRK-A | 27FMN-SSTK-A | 27FMN-SSTRK-A | 26.0 | 29.0 | 28.0 | 700 | 420 | 490 |
| 28 | 28FMN-BTK-A | 28FMN-BTRK-A | 28FMN-STK-A | 28FMN-STRK-A | 28FMN-SSTK-A | 28FMN-SSTRK-A | 27.0 | 30.0 | 29.0 | 700 | 420 | 490 |
| 29 | 29FMN-BTK-A | 29FMN-BTRK-A | 29FMN-STK-A | 29FMN-STRK-A | 29FMN-SSTK-A | 29FMN-SSTRK-A | 28.0 | 31.0 | 30.0 | 700 | 420 | 490 |
| 30 | 30FMN-BTK-A | 30FMN-BTRK-A | 30FMN-STK-A | 30FMN-STRK-A | 30FMN-SSTK-A | 30FMN-SSTRK-A | 29.0 | 32.0 | 31.0 | 600 | 360 | 420 |
| 31 | 31FMN-BTK-A | 31FMN-BTRK-A | 31FMN-STK-A | 31FMN-STRK-A | 31FMN-SSTK-A | 31FMN-SSTRK-A | 30.0 | 33.0 | 32.0 | 600 | 360 | 420 |
| 32 | 32FMN-BTK-A | 32FMN-BTRK-A | 32FMN-STK-A | 32FMN-STRK-A | 32FMN-SSTK-A | 32FMN-SSTRK-A | 31.0 | 34.0 | 33.0 | 600 | 360 | 420 |
| 33 | 33FMN-BTK-A | 33FMN-BTRK-A | 33FMN-STK-A | 33FMN-STRK-A | 33FMN-SSTK-A | 33FMN-SSTRK-A | 32.0 | 35.0 | 34.0 | 600 | 360 | 420 |
| 34 | 34FMN-BTK-A | 34FMN-BTRK-A | 34FMN-STK-A | 34FMN-STRK-A | 34FMN-SSTK-A | 34FMN-SSTRK-A | 33.0 | 36.0 | 35.0 | 600 | 360 | 420 |
| 35 | 35FMN-BTK-A | 35FMN-BTRK-A | 35FMN-STK-A | 35FMN-STRK-A | 35FMN-SSTK-A | 35FMN-SSTRK-A | 34.0 | 37.0 | 36.0 | 500 | 300 | 350 |
| 36 | 36FMN-BTK-A | 36FMN-BTRK-A | 36FMN-STK-A | 36FMN-STRK-A | 36FMN-SSTK-A | 36FMN-SSTRK-A | 35.0 | 38.0 | 37.0 | 500 | 300 | 350 |
| 37 | 37FMN-BTK-A | 37FMN-BTRK-A | 37FMN-STK-A | 37FMN-STRK-A | 37FMN-SSTK-A | 37FMN-SSTRK-A | 36.0 | 39.0 | 38.0 | 500 | 300 | 350 |
| 38 | 38FMN-BTK-A | 38FMN-BTRK-A | 38FMN-STK-A | 38FMN-STRK-A | 38FMN-SSTK-A | 38FMN-SSTRK-A | 37.0 | 40.0 | 39.0 | 500 | 300 | 350 |
| 39 | 39FMN-BTK-A | 39FMN-BTRK-A | 39FMN-STK-A | 39FMN-STRK-A | 39FMN-SSTK-A | 39FMN-SSTRK-A | 38.0 | 41.0 | 40.0 | 500 | 300 | 350 |
| 40 | 40FMN-BTK-A | 40FMN-BTRK-A | 40FMN-STK-A | 40FMN-STRK-A | 40FMN-SSTK-A | 40FMN-SSTRK-A | 39.0 | 42.0 | 41.0 | 500 | 300 | 350 |

### Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)
Housing: 4 to 22 circuits/PBT, UL94V-0, Normal type···gray Reverse type···brown
23 to 40 circuits/PA 6T, UL94V-0, Normal type···gray Reverse type···black

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

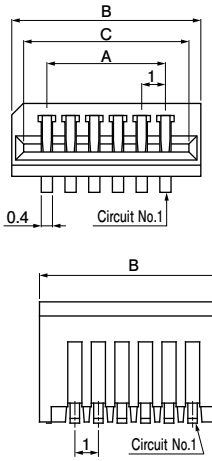
# FMN CONNECTOR

## SMT type Connector

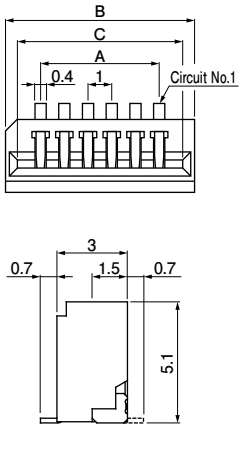
### Top entry type

<In-line>

●Normal type

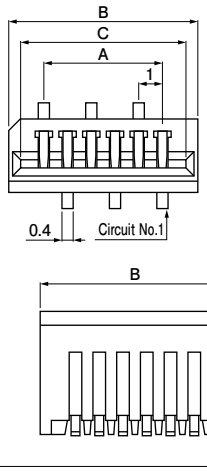



●Reverse type

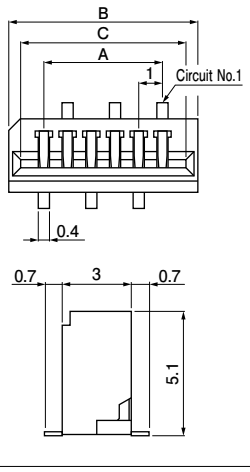



<Staggered>

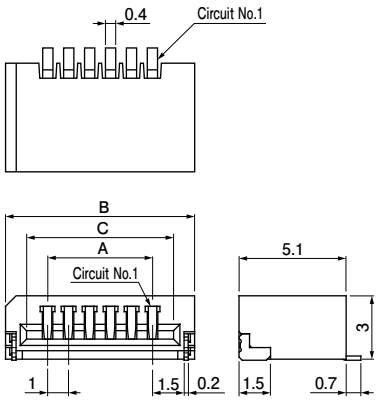
●Normal type




●Reverse type




### Side entry type




| No. of circuits | Model No. | | | | | Dimensions (mm) | | | | Q'ty/reel | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Top entry type | | | | Side entry type | A | B | | C | | |
| | In-line | | Staggered | | | | Top entry type | Side entry type | | Top entry type | Side entry type |
| | Normal type | Reverse type | Normal type | Reverse type | | | | | | | |
| 4 | 04FMN-BMT-A-TF | 04FMN-BMTR-A-TB | 04FMN-BMTTN-A-TF | 04FMN-BMTTR-A-TB | 04FMN-SMT-A-TF | 3.0 | 6.0 | 7.0 | 5.0 | 1,000 | 2,000 |
| 5 | 05FMN-BMT-A-TF | 05FMN-BMTR-A-TB | 05FMN-BMTTN-A-TF | 05FMN-BMTTR-A-TB | 05FMN-SMT-A-TF | 4.0 | 7.0 | 8.0 | 6.0 | 1,000 | 2,000 |
| 6 | 06FMN-BMT-A-TF | 06FMN-BMTR-A-TB | 06FMN-BMTTN-A-TF | 06FMN-BMTTR-A-TB | 06FMN-SMT-A-TF | 5.0 | 8.0 | 9.0 | 7.0 | 1,000 | 2,000 |
| 7 | 07FMN-BMT-A-TF | 07FMN-BMTR-A-TB | 07FMN-BMTTN-A-TF | 07FMN-BMTTR-A-TB | 07FMN-SMT-A-TF | 6.0 | 9.0 | 10.0 | 8.0 | 1,000 | 2,000 |
| 8 | 08FMN-BMT-A-TF | 08FMN-BMTR-A-TB | 08FMN-BMTTN-A-TF | 08FMN-BMTTR-A-TB | 08FMN-SMT-A-TF | 7.0 | 10.0 | 11.0 | 9.0 | 1,000 | 2,000 |
| 9 | 09FMN-BMT-A-TF | 09FMN-BMTR-A-TB | 09FMN-BMTTN-A-TF | 09FMN-BMTTR-A-TB | 09FMN-SMT-A-TF | 8.0 | 11.0 | 12.0 | 10.0 | 1,000 | 2,000 |
| 10 | 10FMN-BMT-A-TF | 10FMN-BMTR-A-TB | 10FMN-BMTTN-A-TF | 10FMN-BMTTR-A-TB | 10FMN-SMT-A-TF | 9.0 | 12.0 | 13.0 | 11.0 | 1,000 | 2,000 |
| 11 | 11FMN-BMT-A-TF | 11FMN-BMTR-A-TB | 11FMN-BMTTN-A-TF | 11FMN-BMTTR-A-TB | 11FMN-SMT-A-TF | 10.0 | 13.0 | 14.0 | 12.0 | 1,000 | 2,000 |
| 12 | 12FMN-BMT-A-TF | 12FMN-BMTR-A-TB | 12FMN-BMTTN-A-TF | 12FMN-BMTTR-A-TB | 12FMN-SMT-A-TF | 11.0 | 14.0 | 15.0 | 13.0 | 1,000 | 2,000 |
| 13 | 13FMN-BMT-A-TF | 13FMN-BMTR-A-TB | 13FMN-BMTTN-A-TF | 13FMN-BMTTR-A-TB | 13FMN-SMT-A-TF | 12.0 | 15.0 | 16.0 | 14.0 | 1,000 | 2,000 |
| 14 | 14FMN-BMT-A-TF | 14FMN-BMTR-A-TB | 14FMN-BMTTN-A-TF | 14FMN-BMTTR-A-TB | 14FMN-SMT-A-TF | 13.0 | 16.0 | 17.0 | 15.0 | 1,000 | 2,000 |
| 15 | 15FMN-BMT-A-TF | 15FMN-BMTR-A-TB | 15FMN-BMTTN-A-TF | 15FMN-BMTTR-A-TB | 15FMN-SMT-A-TF | 14.0 | 17.0 | 18.0 | 16.0 | 1,000 | 2,000 |
| 16 | 16FMN-BMT-A-TF | 16FMN-BMTR-A-TB | 16FMN-BMTTN-A-TF | 16FMN-BMTTR-A-TB | 16FMN-SMT-A-TF | 15.0 | 18.0 | 19.0 | 17.0 | 1,000 | 2,000 |
| 17 | 17FMN-BMT-A-TF | 17FMN-BMTR-A-TB | 17FMN-BMTTN-A-TF | 17FMN-BMTTR-A-TB | 17FMN-SMT-A-TF | 16.0 | 19.0 | 20.0 | 18.0 | 1,000 | 2,000 |
| 18 | 18FMN-BMT-A-TF | 18FMN-BMTR-A-TB | 18FMN-BMTTN-A-TF | 18FMN-BMTTR-A-TB | 18FMN-SMT-A-TF | 17.0 | 20.0 | 21.0 | 19.0 | 1,000 | 2,000 |
| 19 | 19FMN-BMT-A-TF | 19FMN-BMTR-A-TB | 19FMN-BMTTN-A-TF | 19FMN-BMTTR-A-TB | 19FMN-SMT-A-TF | 18.0 | 21.0 | 22.0 | 20.0 | 1,000 | 2,000 |
| 20 | 20FMN-BMT-A-TF | 20FMN-BMTR-A-TB | 20FMN-BMTTN-A-TF | 20FMN-BMTTR-A-TB | 20FMN-SMT-A-TF | 19.0 | 22.0 | 23.0 | 21.0 | 1,000 | 2,000 |
| 21 | 21FMN-BMT-A-TF | 21FMN-BMTR-A-TB | — | 21FMN-BMTTR-A-TB | 21FMN-SMT-A-TF | 20.0 | 23.0 | 24.0 | 22.0 | 1,000 | 2,000 |
| 22 | 22FMN-BMT-A-TF | 22FMN-BMTR-A-TB | 22FMN-BMTTN-A-TF | 22FMN-BMTTR-A-TB | 22FMN-SMT-A-TF | 21.0 | 24.0 | 25.0 | 23.0 | 1,000 | 2,000 |
| 23 | 23FMN-BMT-A-TF | 23FMN-BMTR-A-TB | 23FMN-BMTTN-A-TF | 23FMN-BMTTR-A-TB | 23FMN-SMT-A-TF | 22.0 | 25.0 | 26.0 | 24.0 | 1,000 | 2,000 |
| 24 | 24FMN-BMT-A-TF | 24FMN-BMTR-A-TB | 24FMN-BMTTN-A-TF | 24FMN-BMTTR-A-TB | 24FMN-SMT-A-TF | 23.0 | 26.0 | 27.0 | 25.0 | 1,000 | 2,000 |
| 25 | 25FMN-BMT-A-TF | 25FMN-BMTR-A-TB | 25FMN-BMTTN-A-TF | 25FMN-BMTTR-A-TB | 25FMN-SMT-A-TF | 24.0 | 27.0 | 28.0 | 26.0 | 1,000 | 2,000 |
| 26 | 26FMN-BMT-A-TF | 26FMN-BMTR-A-TB | 26FMN-BMTTN-A-TF | — | 26FMN-SMT-A-TF | 25.0 | 28.0 | 29.0 | 27.0 | 1,000 | 2,000 |
| 27 | 27FMN-BMT-A-TF | 27FMN-BMTR-A-TB | 27FMN-BMTTN-A-TF | 27FMN-BMTTR-A-TB | 27FMN-SMT-A-TF | 26.0 | 29.0 | 30.0 | 28.0 | 1,000 | 2,000 |
| 28 | — | 28FMN-BMTR-A-TB | 28FMN-BMTTN-A-TF | 28FMN-BMTTR-A-TB | 28FMN-SMT-A-TF | 27.0 | 30.0 | 31.0 | 29.0 | 1,000 | 2,000 |
| 29 | 29FMN-BMT-A-TF | 29FMN-BMTR-A-TB | 29FMN-BMTTN-A-TF | 29FMN-BMTTR-A-TB | 29FMN-SMT-A-TF | 28.0 | 31.0 | 32.0 | 30.0 | 1,000 | 2,000 |
| 30 | 30FMN-BMT-A-TF | 30FMN-BMTR-A-TB | 30FMN-BMTTN-A-TF | 30FMN-BMTTR-A-TB | 30FMN-SMT-A-TF | 29.0 | 32.0 | 33.0 | 31.0 | 1,000 | 2,000 |
| 31 | 31FMN-BMT-A-TF | 31FMN-BMTR-A-TB | 31FMN-BMTTN-A-TF | 31FMN-BMTTR-A-TB | 31FMN-SMT-A-TF | 30.0 | 33.0 | 34.0 | 32.0 | 1,000 | 2,000 |
| 32 | 32FMN-BMT-A-TF | 32FMN-BMTR-A-TB | 32FMN-BMTTN-A-TF | 32FMN-BMTTR-A-TB | 32FMN-SMT-A-TF | 31.0 | 34.0 | 35.0 | 33.0 | 1,000 | 2,000 |
| 33 | 33FMN-BMT-A-TF | — | 33FMN-BMTTN-A-TF | 33FMN-BMTTR-A-TB | 33FMN-SMT-A-TF | 32.0 | 35.0 | 36.0 | 34.0 | 1,000 | 2,000 |
| 34 | 34FMN-BMT-A-TF | — | 34FMN-BMTTN-A-TF | 34FMN-BMTTR-A-TB | 34FMN-SMT-A-TF | 33.0 | 36.0 | 37.0 | 35.0 | 1,000 | 2,000 |
| 35 | 35FMN-BMT-A-TF | 35FMN-BMTR-A-TB | 35FMN-BMTTN-A-TF | 35FMN-BMTTR-A-TB | 35FMN-SMT-A-TF | 34.0 | 37.0 | 38.0 | 36.0 | 1,000 | 2,000 |
| 36 | 36FMN-BMT-A-TF | 36FMN-BMTR-A-TB | 36FMN-BMTTN-A-TF | 36FMN-BMTTR-A-TB | 36FMN-SMT-A-TF | 35.0 | 38.0 | 39.0 | 37.0 | 1,000 | 2,000 |
| 37 | 37FMN-BMT-A-TF | 37FMN-BMTR-A-TB | 37FMN-BMTTN-A-TF | 37FMN-BMTTR-A-TB | 37FMN-SMT-A-TF | 36.0 | 39.0 | 40.0 | 38.0 | 1,000 | 2,000 |
| 38 | 38FMN-BMT-A-TF | 38FMN-BMTR-A-TB | 38FMN-BMTTN-A-TF | 38FMN-BMTTR-A-TB | 38FMN-SMT-A-TF | 37.0 | 40.0 | 41.0 | 39.0 | 1,000 | 2,000 |
| 39 | 39FMN-BMT-A-TF | 39FMN-BMTR-A-TB | 39FMN-BMTTN-A-TF | 39FMN-BMTTR-A-TB | 39FMN-SMT-A-TF | 38.0 | 41.0 | 42.0 | 40.0 | 1,000 | 2,000 |
| 40 | 40FMN-BMT-A-TF | 40FMN-BMTR-A-TB | 40FMN-BMTTN-A-TF | 40FMN-BMTTR-A-TB | 40FMN-SMT-A-TF | 39.0 | 42.0 | 43.0 | 41.0 | 1,000 | 2,000 |

| Material and Finish |
|---|
| Contact: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment)<br>Housing: PA 6T, UL94V-0, black<br>Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment) |

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

Note: 1. The products listed above are supplied on embossed tape.

2. Contact JST for the top entry type headers with suction cap.