

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

**SPECIFICATIONS**

**Electrical**

- Current Rating: 3.0A AC(rms)/DC
- Voltage Rating: 500V AC(rms)/DC
- Contact Resistance: 10 mΩ Max
- Insulation Resistance: 5000 MΩ MIN
- Withstanding Voltage: 800V AC r.m.s
- Temperature Range-Operating: -55°C~+125°C

**Mechanical**

- Durability: 500 Cycles
- Vibration: Frequency 10~2000Hz, Acceleration 196m/s<sup>2</sup>,
- Shock: Peak Acceleration 735m/s<sup>2</sup> 11ms.

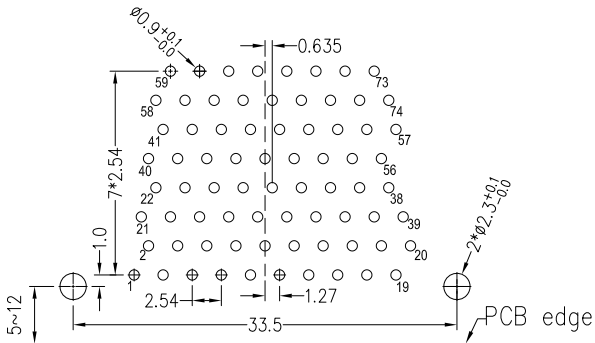
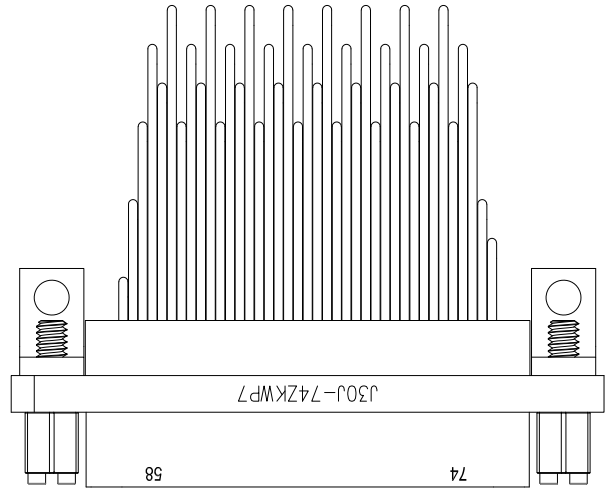
**Material and Plating**

- Housing: High-temperature plastic Natural(UL94V-0)
- Contact Pin: Copper Alloy/Gold Plated
- Shell: Aluminium alloy/Nickel Plated
- Seal Pad: Silicone Rubber RED
- Nut: Stainless steel

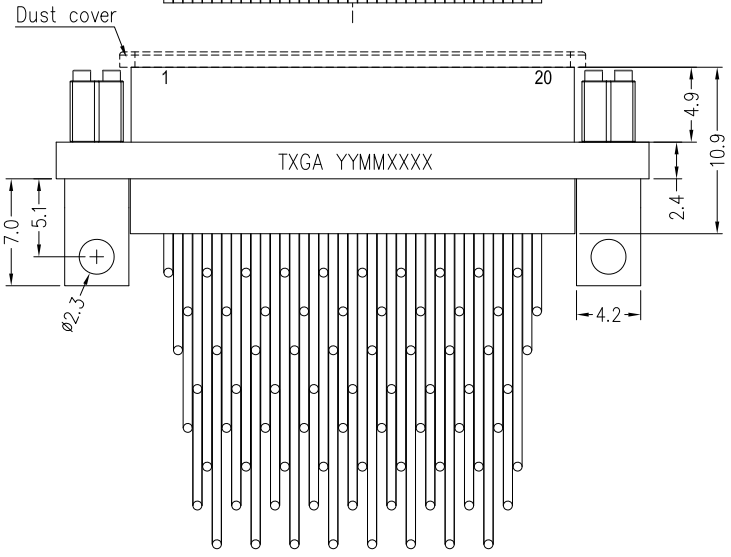
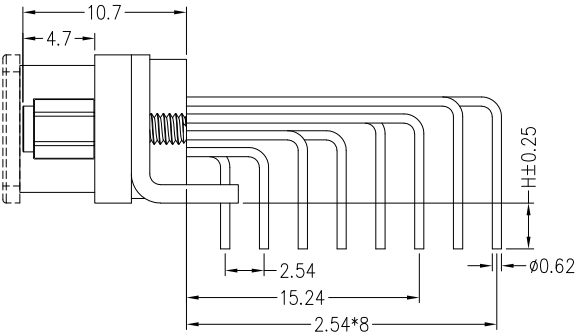
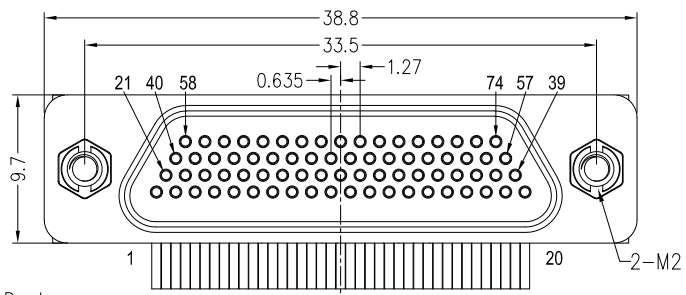
**Ordering Information**

|      |    |   |   |     |   |   |    |   |   |   |
|------|----|---|---|-----|---|---|----|---|---|---|
| FMD0 | 05 | - | F | 074 | B | D | XX | - | X | X |
| 1    | 2  | 3 | 4 | 5   | 6 | 7 | 8  | 9 |   |   |

|   |                                    |   |                           |   |                    |   |                |   |                            |
|---|------------------------------------|---|---------------------------|---|--------------------|---|----------------|---|----------------------------|
| 1 | Category<br>FMD0-Micro-D Connector | 2 | Distinction No.<br>01     | 3 | Gender<br>F-Female | 4 | Circuits<br>74 | 5 | Entry Angle<br>B-90° Angle |
| 6 | Assembly Layout<br>D-DIP           | 7 | Color-Resin<br>NA-Natural | 8 | Type<br>0-Standard | 9 | H<br>0-H=3     |   |                            |



Recommended P.C.Board Layout  
General tolerances: ±0.05



|                               |                                       |             |              |           |   |  |  |
|-------------------------------|---------------------------------------|-------------|--------------|-----------|---|--|--|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |             | APPROVE BY   | DATE      | PART NO.                                      | ITEM NO.   | <p>Building Technology Cornerstone</p> |
|                               | X. ±0.30                              | X.' ±5'     | LEO          | 08/MAY/25 | FMD005-F074BDXX-XX                            | FMD005   |  |
|                               | X.X ±0.20                             | X.X' ±2'    | CHECKED BY   | DATE      | TITLE   |  |  |
|                               | X.XX ±0.15                            | X.XX' ±1'   | GISELLE      | 08/MAY/25 | Micro-D Connector<br>Pitch 1.27mm Female(DIP) |  |  |
| SCALE                         | SIZE                                  | X.XXX ±0.10 | X.XXX' ±0.5' | DRAWN BY  | DATE  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| NTS                           | A4                                    |             |              | HUANG     | 08/MAY/25                                     |  |  |