

**Specifications**

**Electrical**

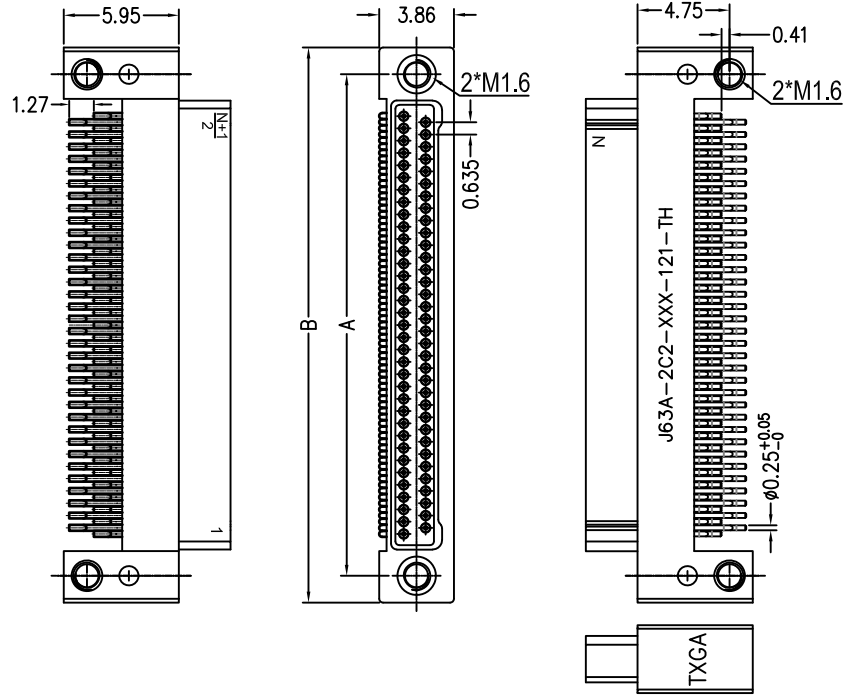
- Current Rating: 1A
- Withstanding Voltage: 250V AC(rms)
- Contact Resistance: 21mΩ (MAX)
- Insulation Resistance: 5000MΩ (MIN)
- Temperature Range-Operating: -55°C~+125°C

**Mechanical**

- Durability: 200 Cycles
- Vibration: Frequency 10~2000Hz, Acceleration 196m/s<sup>2</sup>,
- Shock: Peak Acceleration 980m/s<sup>2</sup> 6ms.

**Material and Plating**

- Shell: Aluminum alloy /plated Nickel
- Terminal: Copper alloy /plated Gold



| Circuits (n) | Part No.           | Dimensions(mm) |       |
|--------------|--------------------|----------------|-------|
|              |                    | A              | B     |
| 9            | FND003-M009BSBK-S0 | 6.86           | 9.63  |
| 15           | FND003-M015BSBK-S0 | 8.76           | 11.53 |
| 21           | FND003-M021BSBK-S0 | 10.67          | 13.44 |
| 25           | FND003-M025BSBK-S0 | 11.94          | 14.71 |
| 31           | FND003-M031BSBK-S0 | 13.84          | 16.61 |
| 37           | FND003-M037BSBK-S0 | 15.75          | 18.52 |
| 51           | FND003-M051BSBK-S0 | 20.19          | 22.96 |
| 65           | FND003-M065BSBK-S0 | 24.64          | 27.41 |
| 69           | FND003-M069BSBK-S0 | 25.91          | 28.68 |

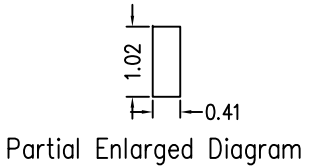
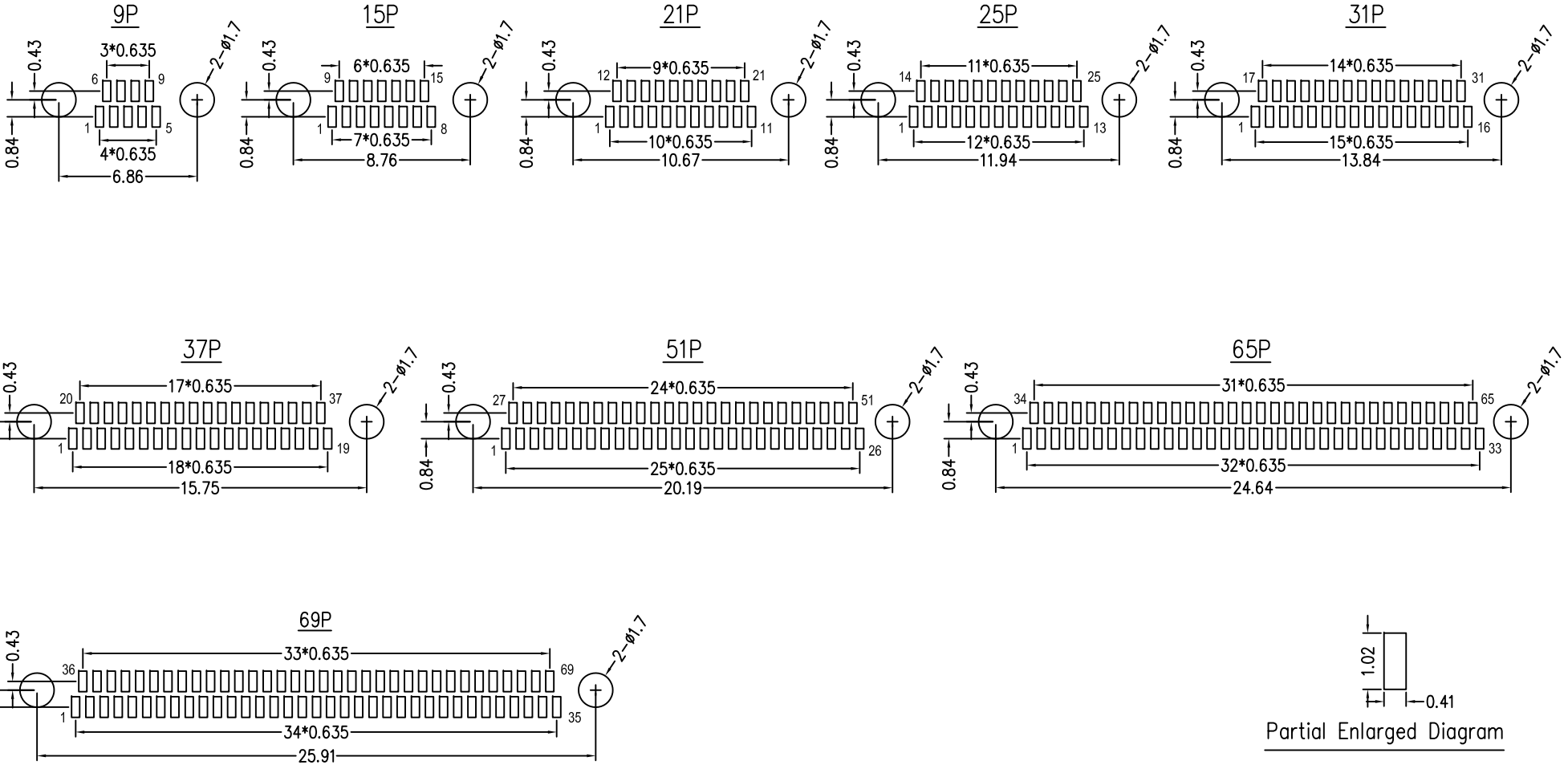
FND0 03-M XXX B S BK-S 0

|   |                                   |   |                         |   |                    |   |                                      |   |                            |
|---|-----------------------------------|---|-------------------------|---|--------------------|---|--------------------------------------|---|----------------------------|
| 1 | Category<br>FND0-Nano D connector | 2 | Distinction No.<br>03   | 3 | Gender<br>M-Male   | 4 | Circuits<br>009-9P<br>015-15P<br>... | 5 | Entry Angle<br>B-90° Angle |
| 6 | Assembly Layout<br>S-SMT          | 7 | Color-Resin<br>BK-BLACK | 8 | Type<br>S-Standard |   |                                      |   |                            |

|                               |                                       |            |                       |                   |  |  |  |       |
|-------------------------------|---------------------------------------|------------|-----------------------|-------------------|--|--|--|-------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | APPROVE BY<br>LEO     | DATE<br>10/JAN/25 | PART NO.<br>FND003-MXXXBSBK-S0                       | ITEM NO.<br>FND0   | <p>Building Technology Cornerstone</p> |       |
|                               | X. ±0.30                              | X.* ±5°    | CHECKED BY<br>GISELLE | DATE<br>10/JAN/25 | TITLE<br>Nano D connector Male<br>Pitch 0.635mm(SMT) |  |  | REV 0 |
|                               | DESIGN UNITS METRIC                   | X.X ±0.20  | X.X* ±2°              | DRAWN BY<br>HUANG | DATE<br>10/JAN/25                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |
|                               | SCALE<br>5:1                          | SIZE<br>A4 | X.XX ±0.15            | X.XX* ±1°         | X.XXX ±0.10  | X.XXX* ±0.5°   |  |       |

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

Recommended P.C.Board Layout  
 General Tolerances: ±0.05mm



|                               |  |            |                       |                   |  |  |                                     |               |
|-------------------------------|--|------------|-----------------------|-------------------|--|--|-------------------------------------|---------------|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | APPROVE BY<br>LEO     | DATE<br>10/JAN/25 | PART NO.<br>FND003-MXXXBSBK-S0                       | ITEM NO.<br>FNDO   | <br>Building Technology Cornerstone |               |
|                               | X. ±0.30                                 | X.* ±5°    | CHECKED BY<br>GISELLE | DATE<br>10/JAN/25 | TITLE<br>Nano D connector Male<br>Pitch 0.635mm(SMT) |  |                                     | REV 0         |
|                               | DESIGN UNITS<br>METRIC                   | X.X ±0.20  | X.X* ±2°              | DRAWN BY<br>HUANG | DATE<br>10/JAN/25                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                     | SHEET NO. 2/2 |
|                               | SCALE<br>5:1                             | SIZE<br>A4 | X.XX ±0.15            | X.XX* ±1°         | X.XXX ±0.10  | X.XXX* ±0.5°   |                                     |               |