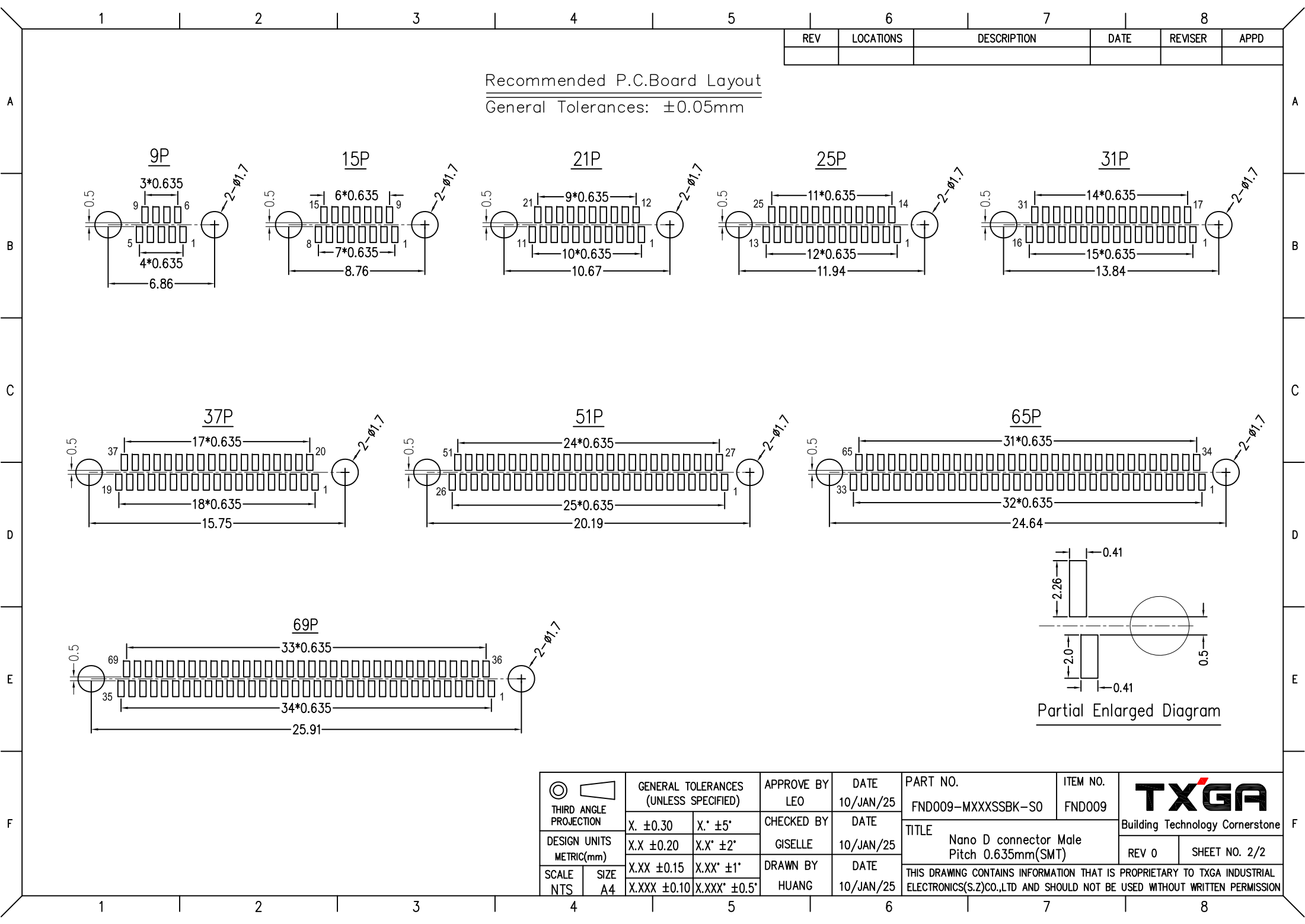


| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       | 2              |              | 3              |                                                | 4                                                                                                                                                  |                                       | 5              |            | 6    |          | 7        |                    | 8    |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                |              |                |                                                | REV                                                                                                                                                | LOCATIONS                             | DESCRIPTION    |            | DATE | REVISER  | APPD     |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                |              |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| SPECIFICATIONS<br>Electrical<br>Current Rating:1.0A AC(rms)/DC<br>Voltage Rating:100V AC(rms)/DC<br>Contact Resistance:21 mΩ Max<br>Insulation Resistance:5000 MΩ MIN<br>Withstanding Voltage:250V AC r.m.s<br>Temperature Range-Operating: -55°C~+125°C<br>Mechanical<br>Durability: 200 Cycles<br>Vibration:Frequency 10~2000Hz,Acceleration 196m/s²,<br>Shock:Peak Acceleration 980m/s² 6ms.<br>Material and Plating<br>Housing:High-temperature plastic Black(UL94V-0)<br>Contact Pin:Copper Alloy/Gold Plated<br>Shell:Aluminium alloy/Nickel Plated<br>Screw:Stainless steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                |              |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                |              |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| <table border="1"><thead><tr><th rowspan="2">Circuits<br/>(n)</th><th rowspan="2">Part No.</th><th colspan="2">Dimensions(mm)</th></tr><tr><th>A</th><th>B</th></tr></thead><tbody><tr><td>9</td><td>FND009-M009SSBK-S0</td><td>6.86</td><td>9.63</td></tr><tr><td>15</td><td>FND009-M015SSBK-S0</td><td>8.76</td><td>11.53</td></tr><tr><td>21</td><td>FND009-M021SSBK-S0</td><td>10.67</td><td>13.44</td></tr><tr><td>25</td><td>FND009-M025SSBK-S0</td><td>11.94</td><td>14.71</td></tr><tr><td>31</td><td>FND009-M031SSBK-S0</td><td>13.84</td><td>16.61</td></tr><tr><td>37</td><td>FND009-M037SSBK-S0</td><td>15.75</td><td>18.52</td></tr><tr><td>51</td><td>FND009-M051SSBK-S0</td><td>20.19</td><td>22.96</td></tr><tr><td>65</td><td>FND009-M065SSBK-S0</td><td>24.64</td><td>27.41</td></tr><tr><td>69</td><td>FND009-M069SSBK-S0</td><td>25.91</td><td>28.68</td></tr></tbody></table>                                                                                                                                                                         |                                       |                |              |                |                                                | Circuits<br>(n)                                                                                                                                    | Part No.                              | Dimensions(mm) |            | A    | B        | 9        | FND009-M009SSBK-S0 | 6.86 | 9.63                    | 15       | FND009-M015SSBK-S0 | 8.76 | 11.53     | 21                 | FND009-M021SSBK-S0 | 10.67                           | 13.44 | 25        | FND009-M025SSBK-S0 | 11.94      | 14.71 | 31                                             | FND009-M031SSBK-S0 | 13.84 | 16.61         | 37        | FND009-M037SSBK-S0 | 15.75      | 18.52     | 51             | FND009-M051SSBK-S0 | 20.19                                                                                                                                              | 22.96 | 65 | FND009-M065SSBK-S0 | 24.64 | 27.41       | 69           | FND009-M069SSBK-S0 | 25.91 | 28.68 | <div>FND0 09-M XXX S S BK-S 0</div> <div>1 2 3 4 5 6 7 8</div> <div><div>1   Category<br/>FND0-Nano D connector</div><div>2   Distinction No.<br/>09</div><div>3   Gender<br/>M-Male</div><div>4   Circuits<br/>009-9P<br/>015-15P<br/>...</div><div>5   Entry Angle<br/>S-180° Vertical</div><div>6   Assembly Layout<br/>S-SMT</div><div>7   Color-Resin<br/>BK-BLACK</div><div>8   Type<br/>S-Standard</div></div> |  |  |  |  |  |  |  |
| Circuits<br>(n)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Part No.                              | Dimensions(mm) |              |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       | A              | B            |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FND009-M009SSBK-S0                    | 6.86           | 9.63         |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M015SSBK-S0                    | 8.76           | 11.53        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M021SSBK-S0                    | 10.67          | 13.44        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M025SSBK-S0                    | 11.94          | 14.71        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M031SSBK-S0                    | 13.84          | 16.61        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M037SSBK-S0                    | 15.75          | 18.52        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M051SSBK-S0                    | 20.19          | 22.96        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M065SSBK-S0                    | 24.64          | 27.41        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FND009-M069SSBK-S0                    | 25.91          | 28.68        |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| <table border="1"><thead><tr><th>THIRD ANGLE PROJECTION</th><th colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</th><th>APPROVE BY</th><th>DATE</th><th>PART NO.</th><th>ITEM NO.</th><th colspan="2">TXGA</th></tr></thead><tbody><tr><td rowspan="2">DESIGN UNITS METRIC(mm)</td><td>X. ±0.30</td><td>X.* ±5°</td><td>LEO</td><td>10/JAN/25</td><td>FND009-MXXXSSBK-S0</td><td>FND009</td><td colspan="2">Building Technology Cornerstone</td></tr><tr><td>X.X ±0.20</td><td>X.X* ±2°</td><td>CHECKED BY</td><td>DATE</td><td colspan="2">TITLE Nano D connector Male Pitch 0.635mm(SMT)</td><td>REV 0</td><td>SHEET NO. 1/2</td></tr><tr><td>SCALE NTS</td><td>SIZE A4</td><td>X.XX ±0.15</td><td>X.XX* ±1°</td><td>DRAWN BY HUANG</td><td>DATE 10/JAN/25</td><td colspan="3">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td></td><td></td><td>X.XXX ±0.10</td><td>X.XXX* ±0.5°</td><td></td><td></td><td colspan="3"></td></tr></tbody></table> |                                       |                |              |                |                                                | THIRD ANGLE PROJECTION                                                                                                                             | GENERAL TOLERANCES (UNLESS SPECIFIED) |                | APPROVE BY | DATE | PART NO. | ITEM NO. | TXGA               |      | DESIGN UNITS METRIC(mm) | X. ±0.30 | X.* ±5°            | LEO  | 10/JAN/25 | FND009-MXXXSSBK-S0 | FND009             | Building Technology Cornerstone |       | X.X ±0.20 | X.X* ±2°           | CHECKED BY | DATE  | TITLE Nano D connector Male Pitch 0.635mm(SMT) |                    | REV 0 | SHEET NO. 1/2 | SCALE NTS | SIZE A4            | X.XX ±0.15 | X.XX* ±1° | DRAWN BY HUANG | DATE 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 |       |    |                    |       | X.XXX ±0.10 | X.XXX* ±0.5° |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED) |                | APPROVE BY   | DATE           | PART NO.                                       | ITEM NO.                                                                                                                                           | TXGA                                  |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| DESIGN UNITS METRIC(mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | X. ±0.30                              | X.* ±5°        | LEO          | 10/JAN/25      | FND009-MXXXSSBK-S0                             | FND009                                                                                                                                             | Building Technology Cornerstone       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | X.X ±0.20                             | X.X* ±2°       | CHECKED BY   | DATE           | TITLE Nano D connector Male Pitch 0.635mm(SMT) |                                                                                                                                                    | REV 0                                 | SHEET NO. 1/2  |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
| SCALE NTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SIZE A4                               | X.XX ±0.15     | X.XX* ±1°    | DRAWN BY HUANG | DATE 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 |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       | X.XXX ±0.10    | X.XXX* ±0.5° |                |                                                |                                                                                                                                                    |                                       |                |            |      |          |          |                    |      |                         |          |                    |      |           |                    |                    |                                 |       |           |                    |            |       |                                                |                    |       |               |           |                    |            |           |                |                    |                                                                                                                                                    |       |    |                    |       |             |              |                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |



Recommended P.C.Board Layout  
General Tolerances:  $\pm 0.05\text{mm}$

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

|                                                                                                                   |            |                                          |                        |                       |                   |                                                      |                    |                                                                                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------------------|-----------------------|-------------------|------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <br>THIRD ANGLE<br>PROJECTION |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                        | APPROVE BY<br>LEO     | DATE<br>10/JAN/25 | PART NO.<br>FND009-MXXXSSBK-S0                       | ITEM NO.<br>FND009 | <br>Building Technology Cornerstone                              |  |
|                                                                                                                   |            |                                          |                        | CHECKED BY<br>GISELLE | DATE<br>10/JAN/25 | TITLE<br>Nano D connector Male<br>Pitch 0.635mm(SMT) |                    |                                                                                                                                                       |  |
| DESIGN UNITS<br>METRIC(mm)                                                                                        |            | X. $\pm 0.30$                            | X.* $\pm 5^\circ$      | DRAWN BY<br>HUANG     | DATE<br>10/JAN/25 |                                                      |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL<br>ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| SCALE<br>NTS                                                                                                      | SIZE<br>A4 | X.X $\pm 0.20$                           | X.X* $\pm 2^\circ$     |                       |                   |                                                      |                    |                                                                                                                                                       |  |
|                                                                                                                   |            | X.XX $\pm 0.15$                          | X.XX* $\pm 1^\circ$    |                       |                   |                                                      |                    |                                                                                                                                                       |  |
|                                                                                                                   |            | X.XXX $\pm 0.10$                         | X.XXX* $\pm 0.5^\circ$ |                       |                   |                                                      |                    |                                                                                                                                                       |  |