

| REV | LOCATIONS | DESCRIPTION                                            | DATE      | REVISER | APPD |
|-----|-----------|--------------------------------------------------------|-----------|---------|------|
| 1   | △         | 1:Dimension & structure update<br>2:Fire rating update | 11/DCE/23 | MATT    | LEO  |

#### Electrical

Current Rating: 3.0A AC(rms)/DC

Voltage Rating: 250V AC(rms)/DC

Contact Resistance: 20 mΩ Max

Insulation Resistance: 1000 MΩ MIN

Withstanding Voltage: 1000V AC r.m.s

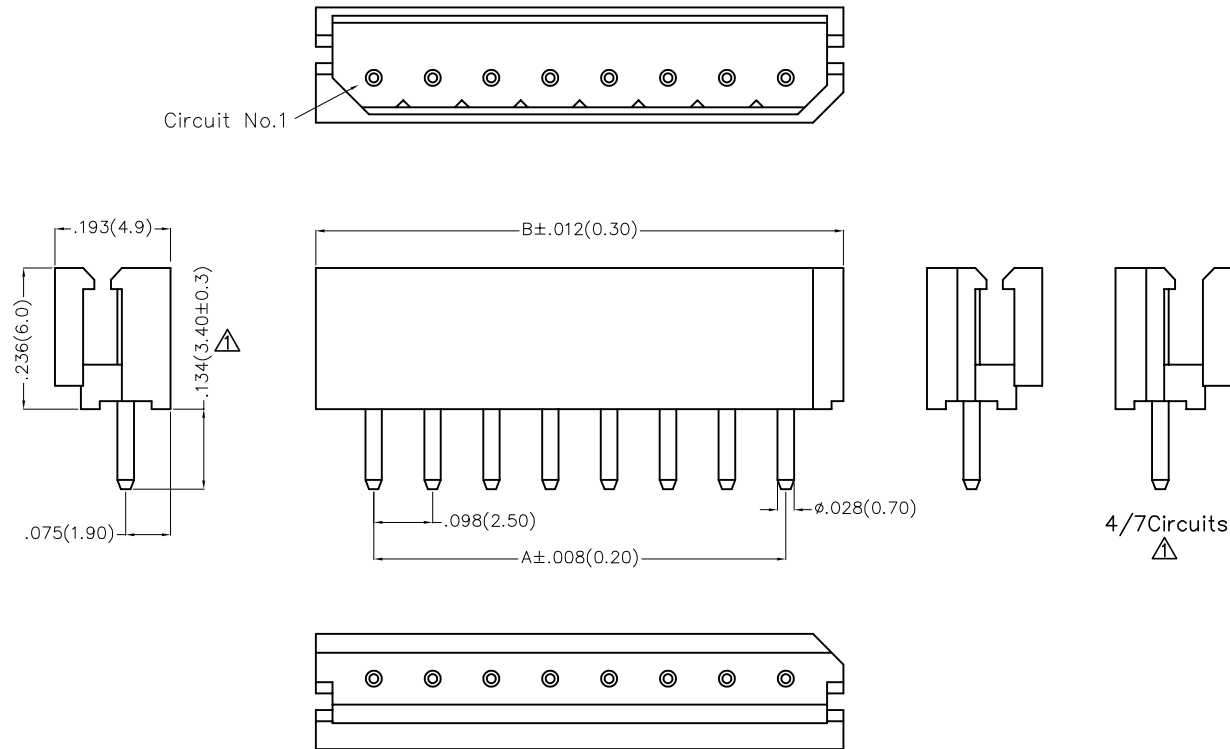
Temperature Range—Operating: -25°C~+85°C

#### Material and Plating

Housing: PA66 (UL 94V-0) △

Contact Pin: Brass

Plating: Tin Plated



4/7Circuits  
△

#### Ordering Information

FWF 250 03 — S XX S 2 2 W5 B  
1 2 3 4 5 6 7 8 9 10

|   |                         |   |                                  |   |                         |    |                            |   |                |   |                                |
|---|-------------------------|---|----------------------------------|---|-------------------------|----|----------------------------|---|----------------|---|--------------------------------|
| 1 | Category<br>FWF—Wafer   | 2 | Series Number<br>250—Pitch 2.5mm | 3 | Distinction No.<br>03   | 4  | Row Option<br>S—Single Row | 5 | Circuits<br>XX | 6 | Entry Angle<br>S—180° Vertical |
| 7 | Plating<br>2—Tin Plated | 8 | Material—Resin<br>2—PA66         | 9 | Color—Resin<br>W5—White | 10 | Packaging<br>B—PE Bag      |   |                |   |                                |

Recommended P.C.Board Layout

|                                                                                                                   |            |                                          |           |                     |                   |                                                                                                                                                       |                      |                                                                                                                          |               |
|-------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|-----------|---------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>THIRD ANGLE<br>PROJECTION |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | APPROVE BY<br>FRANK | DATE<br>01/JUL/13 | PART NO.<br>FWF25003-SXXS22W5B                                                                                                                        | ITEM NO.<br>FWF25003 | <br>Building Technology Cornerstone |               |
|                                                                                                                   |            | X.±.012(0.30)                            | X.±5°     | CHECKED BY          | DATE              | TITLE                                                                                                                                                 |                      |                                                                                                                          |               |
| DESIGN UNITS<br>Inch (metric)                                                                                     |            | X.X±.008(0.20)                           | .X'±2°    | JACOB               | 01/JUL/13         | Wire to Board (Wafer)<br>Pitch 2.5mm 180° Vertical (DIP)                                                                                              |                      | REV 1                                                                                                                    | SHEET NO. 1/1 |
|                                                                                                                   |            | X.XX±.006(0.15)                          | .XX'±1°   | DRAWN BY            | DATE              | 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>5:1                                                                                                      | SIZE<br>A4 | X.XXX±.004(0.10)                         | XXX'±0.5° | CHERRY              | 01/JUL/13         |                                                                                                                                                       |                      |                                                                                                                          |               |

| 6   |           | 7           |      | 8       |      |
|-----|-----------|-------------|------|---------|------|
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|     |           |             |      |         |      |

| Circuits<br>(n) | Part No.           | Dimensions(in/mm) |              |
|-----------------|--------------------|-------------------|--------------|
|                 |                    | A                 | B $\Delta$   |
| 2               | FWF25003-S02S22W5B | .098(2.50)        | .291(7.40)   |
| 3               | FWF25003-S03S22W5B | .197(5.00)        | .390(9.90)   |
| 4               | FWF25003-S04S22W5B | .295(7.50)        | .488(12.40)  |
| 5               | FWF25003-S05S22W5B | .394(10.00)       | .587(14.90)  |
| 6               | FWF25003-S06S22W5B | .492(12.50)       | .685(17.40)  |
| 7               | FWF25003-S07S22W5B | .591(15.00)       | .783(19.90)  |
| 8               | FWF25003-S08S22W5B | .689(17.50)       | .882(22.40)  |
| 9               | FWF25003-S09S22W5B | .787(20.00)       | .980(24.90)  |
| 10              | FWF25003-S10S22W5B | .886(22.50)       | 1.079(27.40) |
| 11              | FWF25003-S11S22W5B | .984(25.00)       | 1.177(29.90) |
| 12              | FWF25003-S12S22W5B | 1.083(27.50)      | 1.276(32.40) |

|                                                                                                                                       |            |                                          |           |                     |                   |                                                                                                                                                       |                      |                                                                                                                                             |               |
|---------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|-----------|---------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <div></div> <div>THIRD ANGLE<br/>PROJECTION</div> |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | APPROVE BY<br>FRANK | DATE<br>01/JUL/13 | PART NO.<br>FWF25003-SXXS22W5B                                                                                                                        | ITEM NO.<br>FWF25003 | <div></div> <div>Building Technology Cornerstone</div> |               |
|                                                                                                                                       |            | X.±0.012(0.30)                           | X.±5°     | CHECKED BY          | DATE              | TITLE                                                                                                                                                 |                      |                                                                                                                                             |               |
| DESIGN UNITS<br>Inch (metric)                                                                                                         |            | X.X±0.008(0.20)                          | X.±2°     | JACOB               | 01/JUL/13         | Wire to Board (Wafer)<br>Pitch 2.5mm 180° Vertical (DIP)                                                                                              |                      | REV 1                                                                                                                                       | SHEET NO. 1/1 |
|                                                                                                                                       |            | X.XX±0.006(0.15)                         | .XX±1°    | DRAWN BY            | DATE              | 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>5:1                                                                                                                          | SIZE<br>A4 | X.XXX±0.004(0.10)                        | .XXX±0.5° | CHERRY              | 01/JUL/13         |                                                                                                                                                       |                      |                                                                                                                                             |               |