

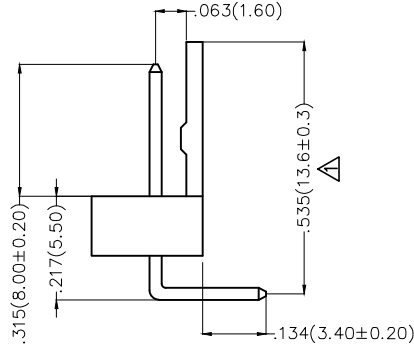
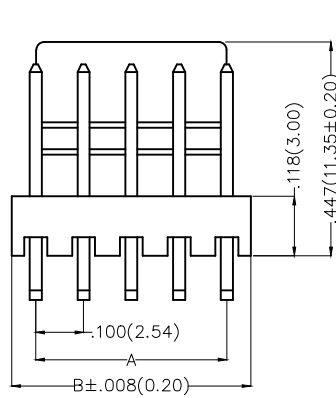
1 2 3 4 5 6 7 8

| REV | LOCATIONS | DESCRIPTION    | DATE      | REVISER | APPD   |
|-----|-----------|----------------|-----------|---------|--------|
| 1   | △         | Add dimensions | 19/DEC/19 | KATE    | CHERRY |

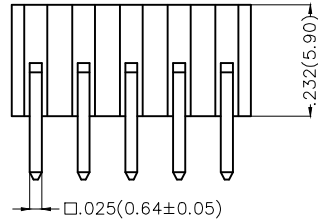
**Electrical**

Current Rating: 2.5A 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-2)  
 Contact Pin: Brass  
 Plating: Tin Plated



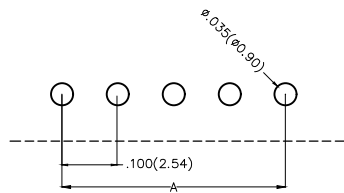
Type-A



**Ordering Information**

FWF 254 02 — S XX B 2 2 W1 B — A  
 1 2 3 4 5 6 7 8 9 10 11

|   |                         |   |                                   |   |                         |    |                            |    |                  |   |                            |
|---|-------------------------|---|-----------------------------------|---|-------------------------|----|----------------------------|----|------------------|---|----------------------------|
| 1 | Category<br>FWF—Wafer   | 2 | Series Number<br>254—Pitch 2.54mm | 3 | Distinction No.<br>02   | 4  | Row Option<br>S—Single Row | 5  | Circuits<br>XX   | 6 | Entry Angle<br>B—90° Angle |
| 7 | Plating<br>2—Tin Plated | 8 | Material—Resin<br>2—PA66          | 9 | Color—Resin<br>W1—White | 10 | Packaging<br>B—PE Bag      | 11 | Type<br>A—Type A |   |                            |



Recommended P.C.Board Layout

|                               |                                       |                  |                     |                  |  |                      |                           |
|-------------------------------|---------------------------------------|------------------|---------------------|------------------|--|----------------------|---------------------------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | APPROVE BY<br>FRANK | DATE<br>8/JUL/13 | PART NO.<br>FWF25402—SXXB22W1B—A   | ITEM NO.<br>FWF25402 | <p>Leader Of Industry</p> |
|                               | X.±.012(0.30)                         | X.±5°            | CHECKED BY<br>JACOB | DATE<br>8/JUL/13 | TITLE<br>Wire to Board (Wafer)<br>Pitch 2.54mm 90° Angl (DIP)  |                      |                           |
| DESIGN UNITS<br>Inch (metric) | X.X±.008(0.20)                        | .X'±2°           | DRAWN BY<br>CHERRY  | DATE<br>8/JUL/13 | 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±.006(0.15)  |                     |                  |  |                      |                           |
|                               |                                       | X.XXX±.004(0.10) |                     |                  |  |                      |                           |

1 2 3 4 5 6 7 8



1 2 3 4 5 6 7 8

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

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

| Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              |
|-----------------|----------------------|-------------------|--------------|
|                 |                      | A                 | B            |
| 2               | FWF25402-S02B22W1B-A | .100(2.54)        | .200(5.08)   |
| 3               | FWF25402-S03B22W1B-A | .200(5.08)        | .300(7.62)   |
| 4               | FWF25402-S04B22W1B-A | .300(7.62)        | .400(10.16)  |
| 5               | FWF25402-S05B22W1B-A | .400(10.16)       | .500(12.70)  |
| 6               | FWF25402-S06B22W1B-A | .500(12.70)       | .600(15.24)  |
| 7               | FWF25402-S07B22W1B-A | .600(15.24)       | .700(17.78)  |
| 8               | FWF25402-S08B22W1B-A | .700(17.78)       | .800(20.32)  |
| 9               | FWF25402-S09B22W1B-A | .800(20.32)       | .900(22.86)  |
| 10              | FWF25402-S10B22W1B-A | .900(22.86)       | 1.000(25.40) |
| 11              | FWF25402-S11B22W1B-A | 1.000(25.40)      | 1.100(27.94) |
| 12              | FWF25402-S12B22W1B-A | 1.100(27.94)      | 1.200(30.48) |
| 13              | FWF25402-S13B22W1B-A | 1.200(30.48)      | 1.300(33.02) |
| 14              | FWF25402-S14B22W1B-A | 1.300(33.02)      | 1.400(35.56) |

|  |  |                 |                     |                     |                                  |   |   |
|--|--|-----------------|---------------------|---------------------|----------------------------------|---|---|
| <br>THIRD ANGLE<br>PROJECTION                                  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                 | APPROVE BY<br>FRANK | DATE<br>8/JUL/13    | PART NO.<br>FWF25402-SXXB22W1B-A | ITEM NO.<br>FWF25402  | <br>Leader Of Industry |
|  | DESIGN UNITS<br>Inch (metric)            | X.±.012(0.30)   | X.±5°               | CHECKED BY<br>JACOB | DATE<br>8/JUL/13                 | TITLE<br>Wire to Board (Wafer)<br>Pitch 2.54mm 90° Angled (DIP) |   |
| SCALE<br>5:1   | SIZE<br>A4                               | X.XX±.008(0.20) | X.X±2°              | DRAWN BY<br>CHERRY  | DATE<br>8/JUL/13                 | REV 1   | SHEET NO. 2/2   |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                 |                     |                     |                                  |   |   |

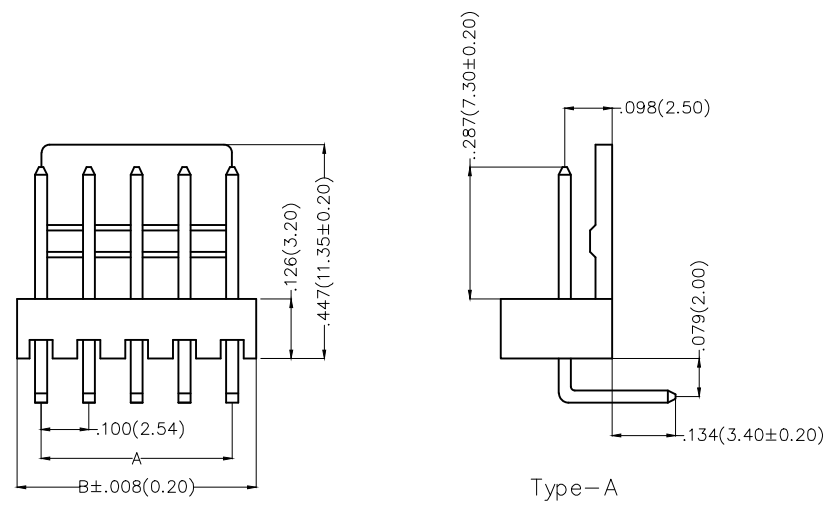
1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

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

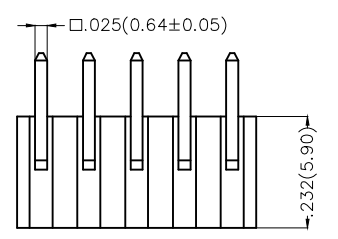
A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F



**Electrical**  
 Current Rating: 2.5A 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

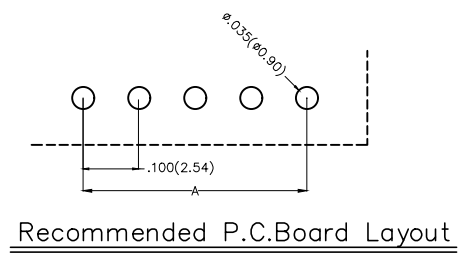
**Material and Plating**  
 Housing: PA66( UL 94V-2)  
 Contact Pin: Brass  
 Plating: Tin Plated



**Ordering Information**

FWF 254 02 — S XX B 2 2 W5 B — A  
 1 2 3 4 5 6 7 8 9 10 11

|                                    |   |                                      |                                       |                              |                                       |
|------------------------------------|---|--------------------------------------|---------------------------------------|------------------------------|---------------------------------------|
| 1   <u>Category</u><br>FWF-Wafer   | 2   <u>Series Number</u><br>254-Pitch2.54mm | 3   <u>Distinction No.</u><br>02     | 4   <u>Row Option</u><br>S-Single Row | 5   <u>Circuits</u><br>XX    | 6   <u>Entry Angle</u><br>B-90° Angle |
| 7   <u>Plating</u><br>2-Tin Plated | 8   <u>Material-Resin</u><br>2-PA66         | 9   <u>Color-Resin</u><br>W5-Natural | 10   <u>Packaging</u><br>B-PE Bag     | 11   <u>Type</u><br>A-Type A |                                       |



|                            |                                       |                                     |                       |                     |                                  |  |                        |       |
|----------------------------|---------------------------------------|-------------------------------------|-----------------------|---------------------|----------------------------------|--|------------------------|-------|
| <br>THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                     | APPROVE BY<br>FRANK   | DATE<br>8/JUL/13    | PART NO.<br>FWF25402-SXXB22W5B-A | ITEM NO.<br>FWF25402   | <br>Leader Of Industry |       |
|                            | DESIGN UNITS<br>Inch (metric)         | X.±.012(0.30)<br>X.X±.008(0.20)     | X.±5°<br>.X'±2'       | CHECKED BY<br>JACOB | DATE<br>8/JUL/13                 | TITLE<br>Wire to Board (Wafer)<br>Pitch 2.54mm 90° Angled (DIP)  |                        | REV 0 |
| SCALE<br>5:1               | SIZE<br>A4                            | X.XX±.006(0.15)<br>X.XXX±.004(0.10) | .XX'±1°<br>.XXX'±0.5° | DRAWN BY<br>CHERRY  | DATE<br>8/JUL/13                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |       |

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
|-----|-----------|-------------|------|---------|------|
|     |           |             |      |         |      |

A

A

B

B

C

C

D

D



E

E

F

F

| Circuits<br>(n) | Part No.             | Dimensions(in/mm) |              |
|-----------------|----------------------|-------------------|--------------|
|                 |                      | A                 | B            |
| 2               | FWF25402-S02B22W5B-A | .100(2.54)        | .200(5.08)   |
| 3               | FWF25402-S03B22W5B-A | .200(5.08)        | .300(7.62)   |
| 4               | FWF25402-S04B22W5B-A | .300(7.62)        | .400(10.16)  |
| 5               | FWF25402-S05B22W5B-A | .400(10.16)       | .500(12.70)  |
| 6               | FWF25402-S06B22W5B-A | .500(12.70)       | .600(15.24)  |
| 7               | FWF25402-S07B22W5B-A | .600(15.24)       | .700(17.78)  |
| 8               | FWF25402-S08B22W5B-A | .700(17.78)       | .800(20.32)  |
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| 10              | FWF25402-S10B22W5B-A | .900(22.86)       | 1.000(25.40) |
| 11              | FWF25402-S11B22W5B-A | 1.000(25.40)      | 1.100(27.94) |
| 12              | FWF25402-S12B22W5B-A | 1.100(27.94)      | 1.200(30.48) |

|   |  |  |                                       |                     |   |   |   |
|---|--|--|---------------------------------------|---------------------|---|---|---|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | APPROVE BY<br>FRANK                   | DATE<br>8/JUL/13    | PART NO.<br>FWF25402-SXXB22W5B-A  | ITEM NO.<br>FWF25402  | <br>Leader Of Industry |
|   | DESIGN UNITS<br>Inch (metric)            | X.±.012(0.30)<br>X.X±.008(0.20)<br>X.XX±.006(0.15)<br>X.XXX±.004(0.10) | X.±5°<br>.X±2°<br>.XX±1°<br>.XXX±0.5° | CHECKED BY<br>JACOB | DATE<br>8/JUL/13  | TITLE<br>Wire to Board (Wafer)<br>Pitch 2.54mm 90° Angled (DIP) |   |
| SCALE<br>5:1  | SIZE<br>A4                               | DRAWN BY<br>CHERRY   |                                       | DATE<br>8/JUL/13    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL<br>ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |   |

1 2 3 4 5 6 7 8