

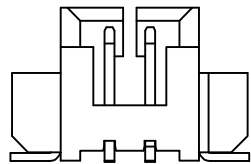
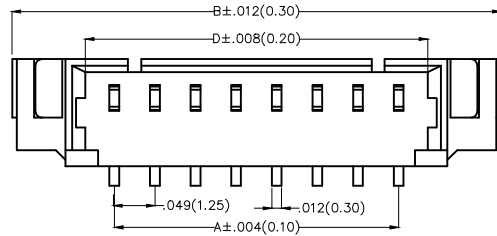
| REV | LOCATIONS | DESCRIPTION           | DATE      | REVISER | APPD |
|-----|-----------|-----------------------|-----------|---------|------|
| 2   | △         | Add 2-3 Circuits view | 27/DEC/23 | KATE    | LEO  |

Electrical

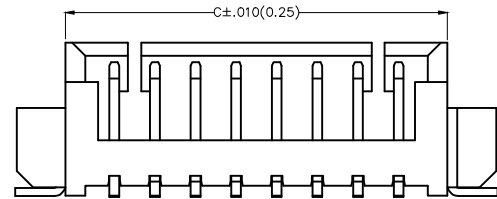
Current Rating: 1.0A AC(rms)/DC  
 Voltage Rating: 125V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 100 MΩ MIN  
 Withstanding Voltage: 250V AC r.m.s  
 Temperature Range-Operating: -40°C~+85°C

Material and Plating

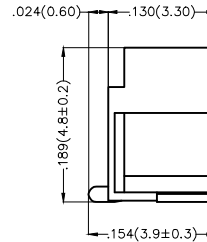
Housing: PA9T( UL 94V-0)  
 Contact Pin: Phosphor bronze/ Tin plated  
 Solder Tab: Copper alloy/ Tin plated



2, 3 Circuits



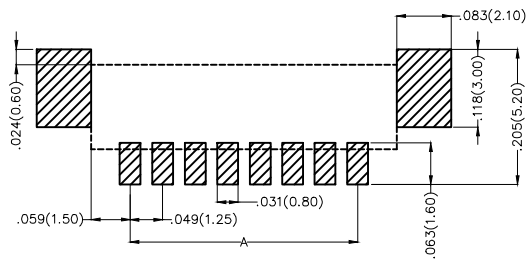
4 Circuits and above



Ordering Information

FWF 125 05 - S XX S X 4 W5 M  
 1 2 3 4 5 6 7 8 9 10

|                             |                                      |                               |                                |                    |                                    |
|-----------------------------|--------------------------------------|-------------------------------|--------------------------------|--------------------|------------------------------------|
| 1   Category<br>FWF-Wafer   | 2   Series Number<br>125-Pitch1.25mm | 3   Distinction No.<br>05     | 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>4-PA9T         | 9   Color-Resin<br>W5-Natural | 10   Packaging<br>M-Reel       |                    |                                    |



Recommended P.C.Board Layout

|                        |                                       |  |  |                     |  |  |                        |
|------------------------|---------------------------------------|--|--|---------------------|--|--|------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | APPROVE BY<br>FRANK                      | DATE<br>8/JUL/13    | PART NO.<br>FWF12505-SXXSX4W5M   | ITEM NO.<br>FWF12505   | <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 1.25mm 180° Vertical (SMT) |                        |
| 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 ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | REV 2   SHEET NO. 1/3  |

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

A

B

C

D

E

F

A

B



C

D

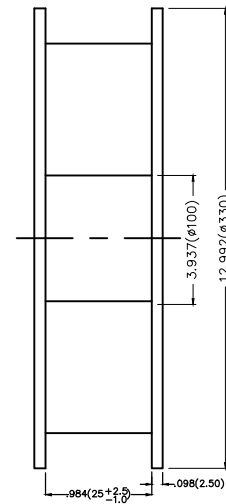
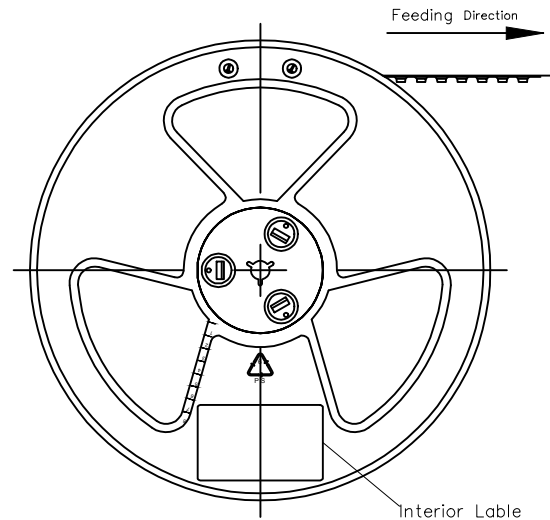
E

F

| Circuits<br>(n) | Part No.           | Dimensions(in/mm) |             |             |             |
|-----------------|--------------------|-------------------|-------------|-------------|-------------|
|                 |                    | A                 | B           | C           | D           |
| 2               | FWF12505-S02S24W5M | .049(1.25)        | .297(7.55)  | .167(4.25)  | .120(3.05)  |
| 3               | FWF12505-S03S24W5M | .098(2.50)        | .346(8.80)  | .217(5.50)  | .169(4.30)  |
| 4               | FWF12505-S04S24W5M | .147(3.75)        | .396(10.05) | .266(6.75)  | .218(5.55)  |
| 5               | FWF12505-S05S24W5M | .197(5.00)        | .445(11.30) | .315(8.00)  | .268(6.80)  |
| 6               | FWF12505-S06S24W5M | .246(6.25)        | .494(12.55) | .364(9.25)  | .317(8.05)  |
| 7               | FWF12505-S07S24W5M | .295(7.50)        | .543(13.80) | .413(10.50) | .366(9.30)  |
| 8               | FWF12505-S08S24W5M | .344(8.75)        | .593(15.05) | .463(11.75) | .415(10.55) |
| 9               | FWF12505-S09S24W5M | .394(10.00)       | .642(16.30) | .512(13.00) | .465(11.80) |
| 10              | FWF12505-S10S24W5M | .443(11.25)       | .691(17.55) | .561(14.25) | .514(13.05) |
| 11              | FWF12505-S11S24W5M | .492(12.50)       | .740(18.80) | .610(15.50) | .563(14.30) |
| 12              | FWF12505-S12S24W5M | .541(13.75)       | .789(20.05) | .659(16.75) | .612(15.55) |
| 13              | FWF12505-S13S24W5M | .591(15.00)       | .839(21.30) | .709(18.00) | .661(16.80) |
| 14              | FWF12505-S14S24W5M | .640(16.25)       | .888(22.55) | .758(19.25) | .711(18.05) |
| 15              | FWF12505-S15S24W5M | .689(17.50)       | .937(23.80) | .807(20.50) | .760(19.30) |

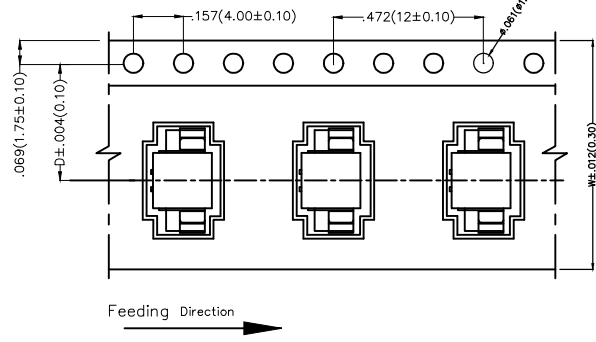
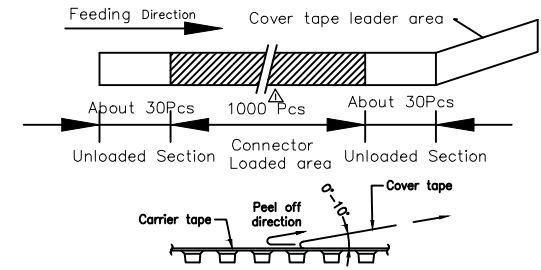
|   |  |                 |                     |                     |  |  |   |               |
|---|--|-----------------|---------------------|---------------------|--|--|---|---------------|
| <br>THIRD ANGLE<br>PROJECTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                 | APPROVE BY<br>FRANK | DATE<br>8/JUL/13    | PART NO.<br>FWF12505-SXXSX4W5M   | ITEM NO.<br>FWF12505   | <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 1.25mm 180° Vertical (SMT) |   |               |
|   |  | X.XX±.008(0.20) | .X'±2'              | DRAWN BY<br>CHERRY  | DATE<br>8/JUL/13   | REV 2  |   | SHEET NO. 2/3 |
|   | SCALE<br>5:1                             | SIZE<br>A4      | X.XX±.006(0.15)     | .XX'±1'             | 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±.004(0.10)  | .XXX'±0.5'                               |                 |                     |                     |  |  |   |               |

| REV | LOCATIONS | DESCRIPTION                             | DATE     | REVISER | APPD  |
|-----|-----------|---|----------|---------|-------|
| 1   | △         | MPQ 1500PCS/Reel Change to 1000Pcs/Reel | 20150811 | CHERRY  | JACOB |

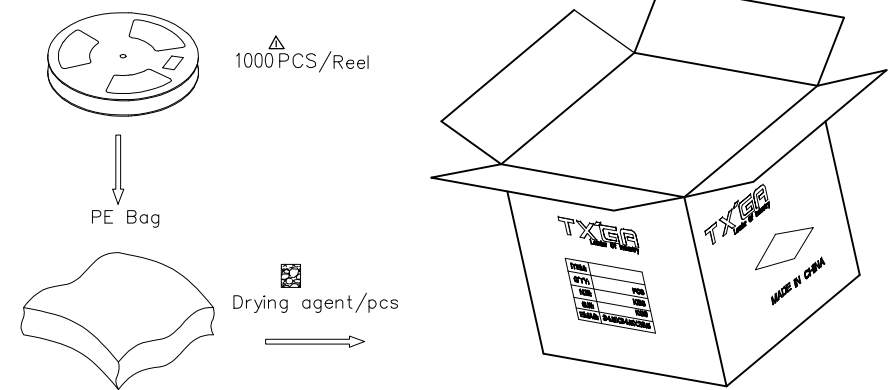


Note:

- 10 sprocket hole cumulative tolerance ±0.2
- Carrier camber is within 1.0mm in 100mm
- Material: White Conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-3 requirements
- Component load per 13" reel: 1000 pcs



| Circuits (n) | Dimensions(in/mm) |              | Circuits (n) | Dimensions(in/mm) |              |
|--------------|-------------------|--------------|--------------|-------------------|--------------|
|              | D                 | W            |              | D                 | W            |
| 2            | .295(7.50)        | .630(16.00)  | 10           | .559(14.20)       | 1.260(32.00) |
| 3            | .295(7.50)        | .630(16.00)  | 11           | .559(14.20)       | 1.260(32.00) |
| 4            | .453(11.50)       | .945(24.00)  | 12           | .559(14.20)       | 1.260(32.00) |
| 5            | .453(11.50)       | .945(24.00)  | 13           | .795(20.20)       | 1.732(44.00) |
| 6            | .453(11.50)       | .945(24.00)  | 14           | .795(20.20)       | 1.732(44.00) |
| 7            | .559(14.20)       | 1.260(32.00) | 15           | .795(20.20)       | 1.732(44.00) |
| 8            | .559(14.20)       | 1.260(32.00) |              |                   |              |
| 9            | .559(14.20)       | 1.260(32.00) |              |                   |              |



|                            |                                       |                  |            |          |   |  |                        |
|----------------------------|---------------------------------------|------------------|------------|----------|---|--|------------------------|
| <br>THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |                  | APPROVE BY | DATE     | PART NO.  | ITEM NO.   | <br>Leader Of Industry |
|                            | X.±.012(0.30)                         | X.±5'            | FRANK      | 8/JUL/13 | FWF12505-SXXSX4W5M  | FWF12505   |                        |
|                            | X.X±.008(0.20)                        | .X'±2'           | CHECKED BY | DATE     | TITLE   |  |                        |
|                            | X.XX±.006(0.15)                       | .XX'±1'          | JACOB      | 8/JUL/13 | Wire to Board (Wafer)<br>Pitch 1.25mm 180° Vertical (SMT) | REV 2  |                        |
| SCALE                      | SIZE                                  | X.XXX±.004(0.10) | .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 |                        |
| 5:1                        | A4                                    |                  |            | CHERRY   | 8/JUL/13  |  |                        |