

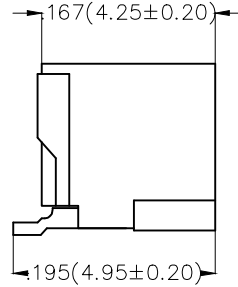
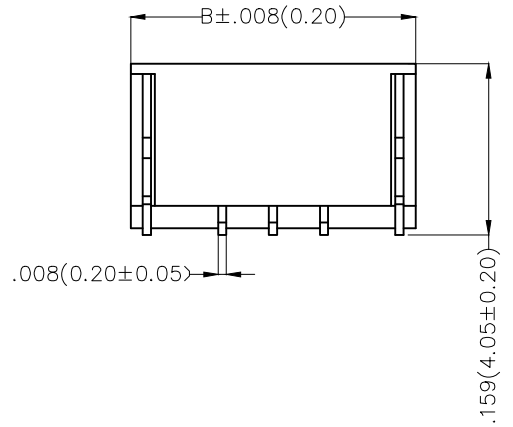
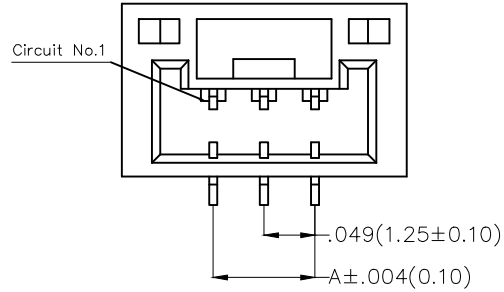
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-----------------------|-----------|---------|--------|
| 1 | △ | Material-Resin change | 26/APR/20 | KATE | CHERRY |

Electrical

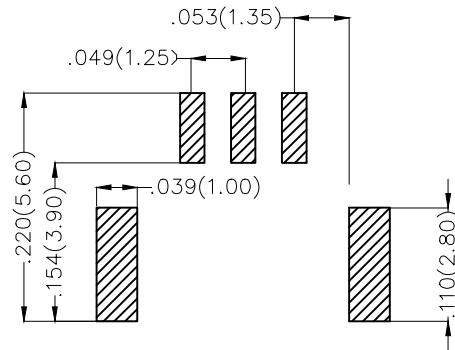
Current Rating: 1.0A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 100 MΩ MIN
Withstanding Voltage: 250V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material and Plating

△ Housing: PA6T(UL 94V-0)
Contact Pin: Brass/ Tin plated
Solder Tab: Copper alloy/ Tin plated



| Circuits (n) | Part No. | Dimensions(in./mm) | |
|--------------|--------------------|--------------------|-------------|
| | | A | B |
| 2 | FWF12513-S02S24W5M | .049(1.25) | .219(5.57) |
| 3 | FWF12513-S03S24W5M | .098(2.50) | .276(7.00) |
| 4 | FWF12513-S04S24W5M | .147(3.75) | .325(8.25) |
| 5 | FWF12513-S05S24W5M | .197(5.00) | .374(9.50) |
| 6 | FWF12513-S06S24W5M | .246(6.25) | .423(10.75) |
| 7 | FWF12513-S07S24W5M | .295(7.50) | .472(12.00) |
| 8 | FWF12513-S08S24W5M | .344(8.75) | .522(13.25) |
| 9 | FWF12513-S09S24W5M | .394(10.00) | .571(14.50) |
| 10 | FWF12513-S10S24W5M | .443(11.25) | .620(15.75) |
| 11 | FWF12513-S11S24W5M | .492(12.50) | .669(17.00) |
| 12 | FWF12513-S12S24W5M | .541(13.75) | .719(18.25) |




Recommended P.C.Board Layout
Tolerances: ±.002(±0.05)

Ordering Information

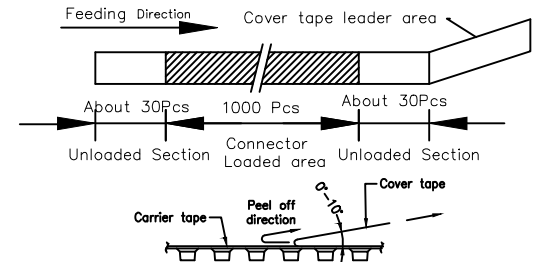
FWF 125 13 - S XX S 2 4 W5 M
1 2 3 4 5 6 7 8 9 10

| | | | | | |
|---------------------------|------------------------------------|-----------------------------|------------------------------|------------------|----------------------------------|
| 1 Category FWF-Wafer | 2 Series Number 125-Pitch1.25mm | 3 Distinction No. 13 | 4 Row Option S-Single Row | 5 Circuits XX | 6 Entry Angle S-180° Vertical |
| 7 Plating 2-Tin Plated | 8 Material-Resin 4-PA6T △ | 9 Color-Resin W5-Natural | 10 Packaging M-Reel | | |

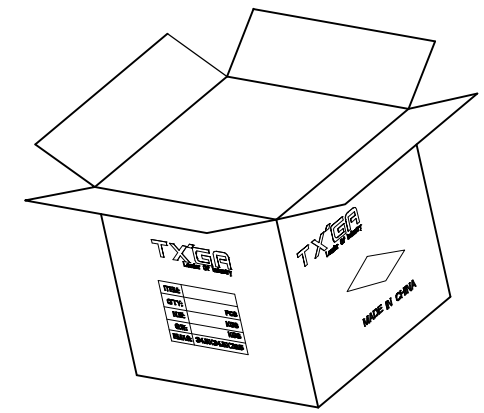
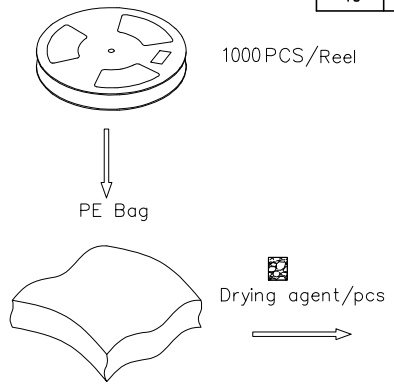
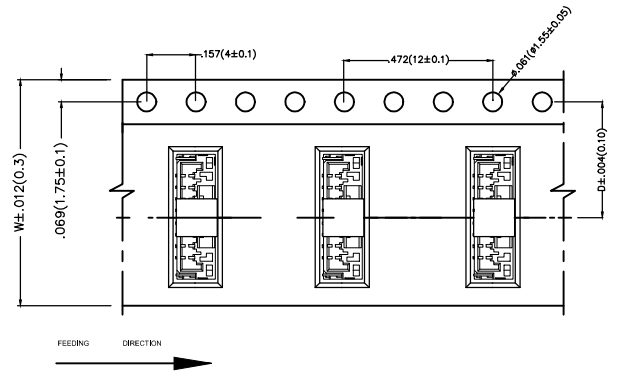
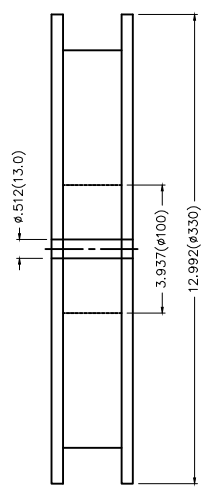
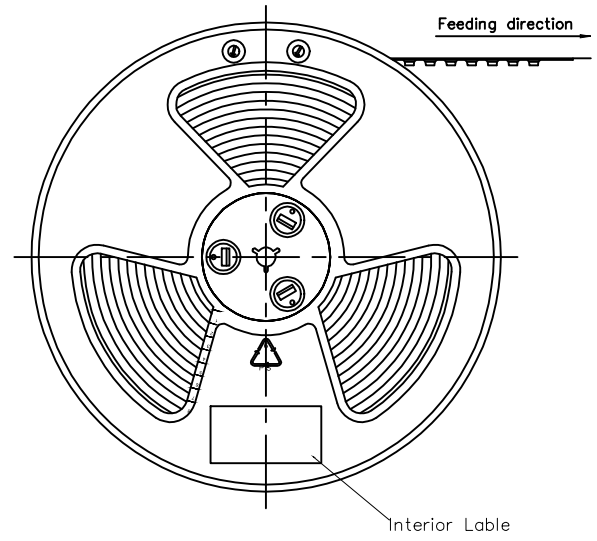
| | | | | | | | | |
|------------------------|---------------------------------------|--|---------------------------------------|----------------------|--|--|---|-------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 8/JUL/13 | PART NO. FWF12513-SXXS24W5M | ITEM NO. FWF12513 |  Leader Of Industry | |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10) | X.±5° .X±2° .XX±1° .XXX±0.5° | CHECKED BY CHERRY | DATE 8/JUL/13 | TITLE Wire to Board (Wafer) Pitch 1.25mm 180° Vertical (SMT) | | REV 1 |
| SCALE 5:1 | SIZE A4 | DRAWN BY KEVIN | | DATE 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 | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
| | | | | | |

- 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: 1000pcs



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



| | | | | | | | | |
|-------------------------------|--|-------------------------|---------------------|----------------------|--------------------------------|--|------------------------|---------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 8/JUL/13 | PART NO. FWF12513-SXXS24W5M | ITEM NO. FWF12513 | Leader Of Industry | |
| | DESIGN UNITS Inch (metric) | X. $\pm 0.12(0.30)$ | X. $\pm 5'$ | CHECKED BY CHERRY | DATE 8/JUL/13 | TITLE Wire to Board (Wafer) Pitch 1.25mm 180° Vertical (SMT) | | |
| | SCALE | X.XX $\pm 0.006(0.15)$ | .XX $\pm 1'$ | DRAWN BY KEVIN | DATE 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 1 |
| | SIZE A4 | X.XXX $\pm 0.004(0.10)$ | .XXX $\pm 0.5'$ | | | | | SHEET NO. 2/2 |

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