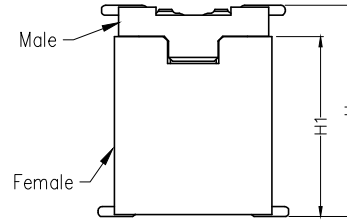
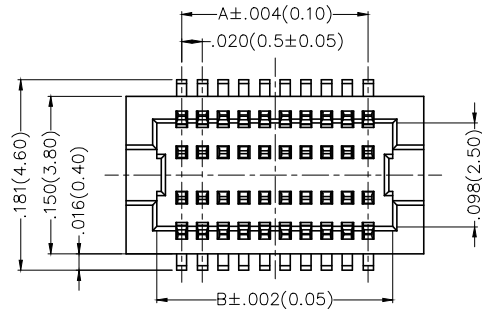
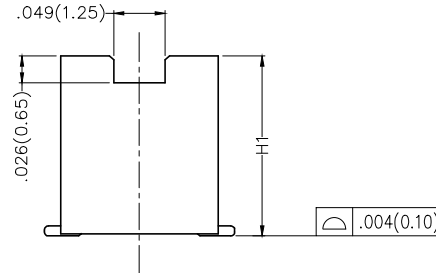
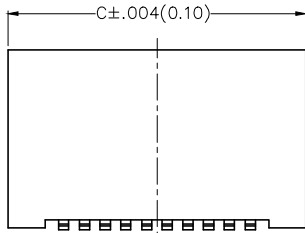


| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
| | | | | | |



ASSEMBLY

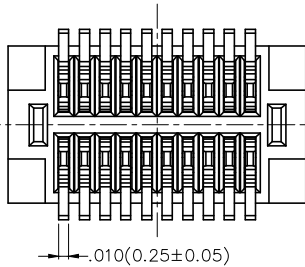


SPECIFICATIONS

Electrical

- Current Rating: 0.5A AC(rms)/DC
- Voltage Rating: 50V AC(rms)/DC
- Contact Resistance: 50 mΩ Max.
- Insulation Resistance: 100 MΩ Min.
- Withstanding Voltage: 200V AC r.m.s
- Temperature Range-Operating: -40°C~+85°C
- Material and Plating
- Housing: LCP (UL 94V-0)
- Contacts: Phosphor Bronze/ Gold plated

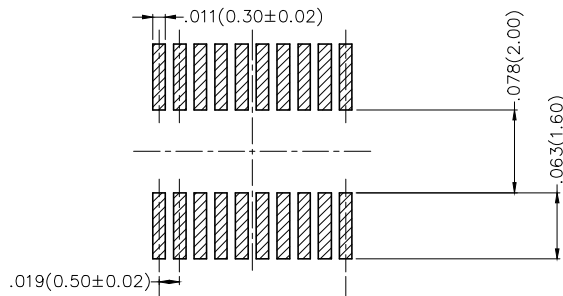
| Dimensions(in/mm) | | | |
|-------------------|------------|------------|------------|
| Height H | Female H1 | Male H2 | Male H3 |
| .118(3.00) | .093(2.35) | .087(2.20) | .057(1.45) |
| .197(5.00) | .171(4.35) | .108(2.75) | .079(2.00) |




Ordering Information

FBB 050 08 — F XX S 1 XX 3 XX M HXX — A
 1 2 3 4 5 6 7 8 9 10 11 12 13

| | | | | | | |
|--|------------------------------------|--|------------------------|--|----------------------------------|----------------------------|
| 1 Category FBB-Board to Board | 2 Series Number 050-Pitch0.50mm | 3 Distinction No. 08 | 4 Type F-Female | 5 Circuits XX | 6 Entry Angle S-180° Vertical | 7 Plating 1-Gold Plated |
| 8 Thickness of Plating 01-1u" 03-3u" Custom plate available | 9 Material-Resin 3-LCP | 10 Color-Resin W5-Natural K6-Black | 11 Packaging M-Reel | 12 Female height H24-H1=2.35mm H44-H1=4.35mm | 13 Type A-Without Peg | |



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

| | | | | | | | |
|------------------------|---------------------------------------|--|--|----------------------|--|--|---|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 02/DEC/22 | PART NO. FBB05008-FXXS1XX3XXMHXX-A | ITEM NO. FBB05008 |  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 02/DEC/22 | TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT) | |
| SCALE 5:1 | SIZE A4 | | DRAWN BY MATT | DATE 02/DEC/22 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | REV 0 SHEET NO. 1/2 |

1 2 3 4 5 6 7 8

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|--------------------|-----------|---------|------|
| 3 | △ | Increase selection | 23/Dec/24 | NICK | LEO |

A

B



C

D

E

F

| Circuits (n) | Part No. | Dimensions(in/mm) | | |
|-----------------|---------------------------|-------------------|-------------|-------------|
| | | A | B | C |
| 14 | FBB05008-F14S1XX3XXMHXX-A | .118(3.00) | .165(4.20) | .224(5.70) |
| 20 | FBB05008-F20S1XX3XXMHXX-A | .177(4.50) | .224(5.70) | .283(7.20) |
| 30 | FBB05008-F30S1XX3XXMHXX-A | .276(7.00) | .323(8.20) | .382(9.70) |
| 40 | FBB05008-F40S1XX3XXMHXX-A | .374(9.50) | .421(10.70) | .480(12.20) |
| 50 | FBB05008-F50S1XX3XXMHXX-A | .472(12.00) | .520(13.20) | .579(14.70) |
| 60 | FBB05008-F60S1XX3XXMHXX-A | .571(14.50) | .618(15.70) | .677(17.20) |
| 80 | FBB05008-F80S1XX3XXMHXX-A | .768(19.50) | .815(20.70) | .874(22.20) |

| | | | | | | | | |
|---|--|----------------|----------------------|--------------------|--|--|---|-------|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 14/AUG/19 | PART NO. FBB05008-FXXS1XX3XXMHXX-A | ITEM NO. FBB05008 |  Leader Of Industry | |
| | X.±.012(0.30) | X.±5' | CHECKED BY CHERRY | DATE 14/AUG/19 | TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT) | | | REV 0 |
| | DESIGN UNITS Inch (metric) | X.X±.008(0.20) | .X±2' | DRAWN BY Aubrey | DATE 14/AUG/19 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX±1' | X.XXX±.004(0.10) | .XXX±0.5' | | |

1 2 3 4 5 6 7 8

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|--------------------|-----------|---------|------|
| 3 | △ | Increase selection | 23/Dec/24 | NICK | LEO |

A

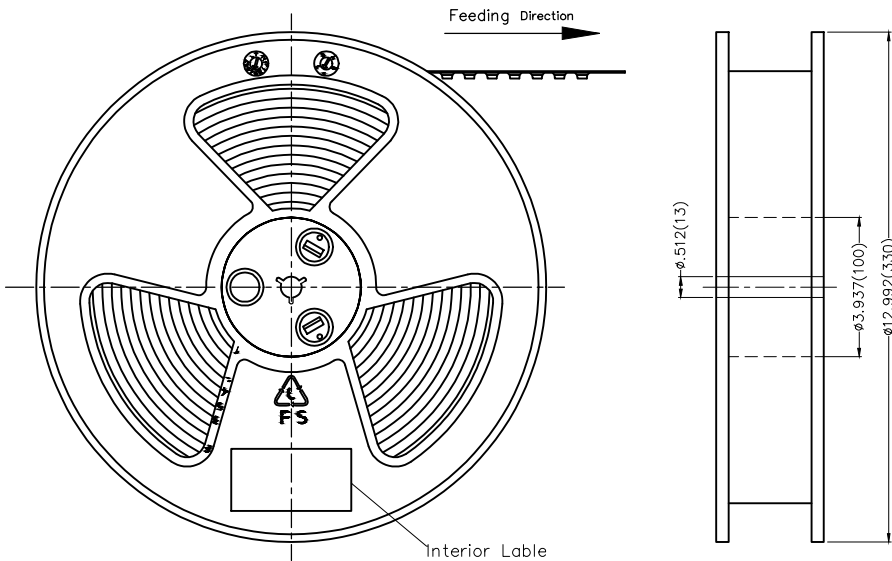
B

C

D

E

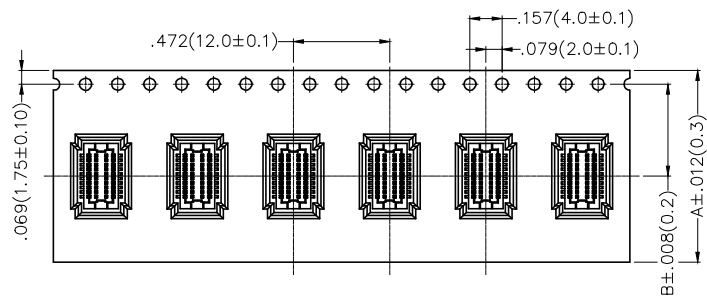
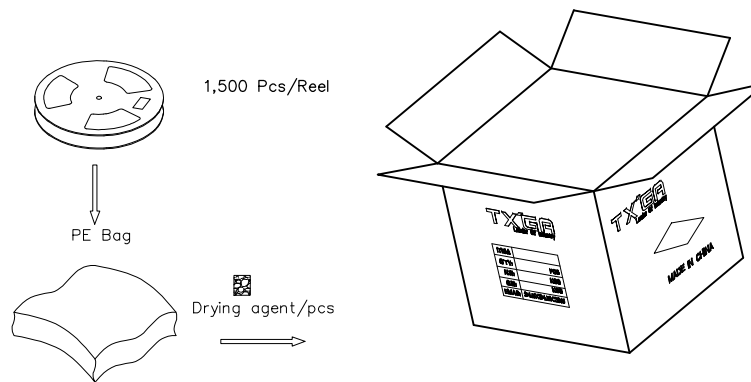
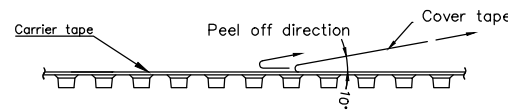
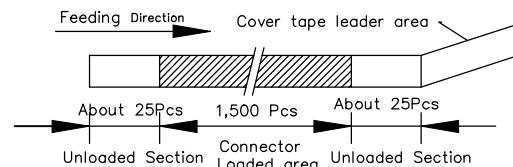
F



Note:

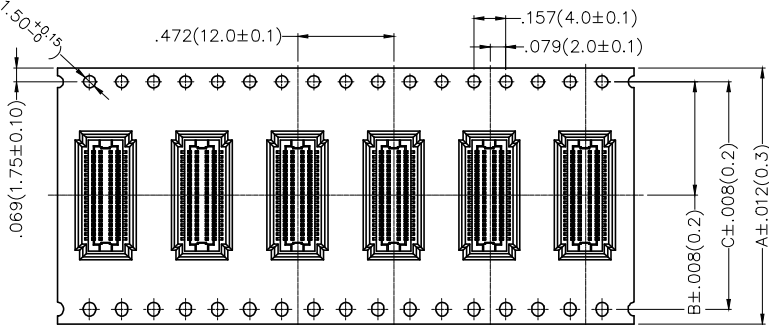
- 10 sprocket hole cumulative tolerance ± 0.2
- Carrier camber is within 1.0mm in 100mm
- Material: Black Conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-B requirements
- Peel off force of cover tape&carrier tape: 20g~130g(0.2N~1.3N)
- Component load per 13" reel: 1,500 pcs

| Circuits (n) | Dimensions(in/mm) | | |
|--------------|-------------------|-------------|--------------|
| | A | B | C |
| 8~48 | .945(24.0) | .453(11.50) | - |
| 50~78 | 1.260(32.0) | .561(14.25) | 1.122(28.50) |
| 80~100 | 1.732(44.0) | .797(20.25) | 1.594(40.50) |



Circuits: 8-48

Feeding Direction



Circuits: 50-80

Feeding Direction

| | | | | | | | |
|----------------------------|---------------------------------------|------------------|-------------------|----------------|--|-------------------|------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 14/AUG/19 | PART NO. FBB05008-FXXS1XX3XXMHXX-A | ITEM NO. FBB05008 | Leader Of Industry |
| | X.±.012(0.30) | X.±5' | CHECKED BY CHERRY | DATE 14/AUG/19 | TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT) | | |
| DESIGN UNITS Inch (metric) | X.X±.008(0.20) | .X'±2' | DRAWN BY Aubrey | DATE 14/AUG/19 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | | | | | |
| | | X.XXX±.004(0.10) | | | | | |