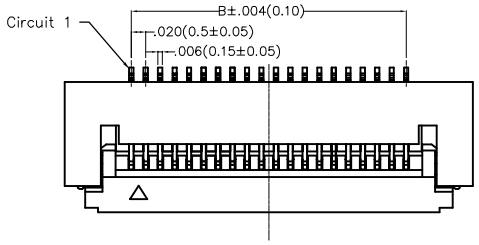
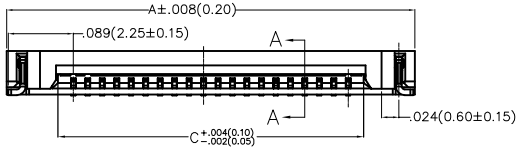
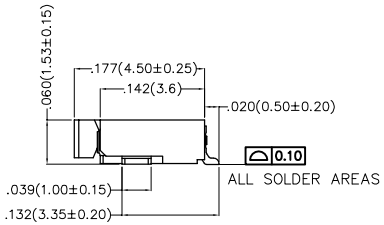
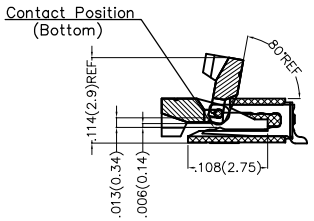
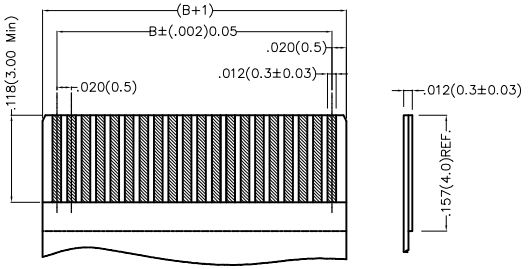
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|---|---|---|---|---|---|
| | | | | | |




Applicable FFC
Recommended Dimension

SPECIFICATIONS

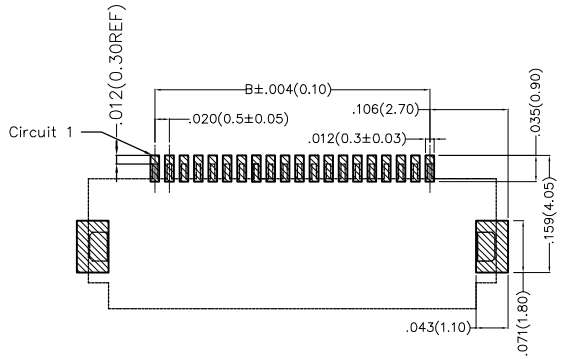
Electrical

Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: −25°C～+85°C

Material and Plating

Housing: PA6T UL 94V−0
Actuator: PA6T UL 94V−0
Contact: Phosphor Bronze/ Tin Plated/Gold Plated 3U"
Stopper: Phosphor Bronze/ Tin Plated

| Circuits (n) | Part No. | Dimensions(in/mm) | | |
|---|---|---|---|---|
| | | A | B | C |
| 4 | FFC05020−04SBB1XXW5M | .240(6.10) | .059(1.50) | .101(2.57) |
| 5 | FFC05020−05SBB1XXW5M | .260(6.60) | .079(2.00) | .121(3.07) |
| 6 | FFC05020−06SBB1XXW5M | .280(7.10) | .098(2.50) | .141(3.57) |
| 7 | FFC05020−07SBB1XXW5M | .299(7.60) | .118(3.00) | .160(4.07) |
| 8 | FFC05020−08SBB1XXW5M | .319(8.10) | .138(3.50) | .180(4.57) |
| 9 | FFC05020−09SBB1XXW5M | .339(8.60) | .157(4.00) | .200(5.07) |
| 10 | FFC05020−10SBB1XXW5M | .358(9.10) | .177(4.50) | .219(5.57) |
| 11 | FFC05020−11SBB1XXW5M | .378(9.60) | .197(5.00) | .239(6.07) |
| 12 | FFC05020−12SBB1XXW5M | .398(10.10) | .217(5.50) | .259(6.57) |
| 13 | FFC05020−13SBB1XXW5M | .417(10.60) | .236(6.00) | 278(7.07) |
| 14 | FFC05020−14SBB1XXW5M | .437(11.10) | .256(6.50) | .298(7.57) |
| 15 | FFC05020−15SBB1XXW5M | .457(11.60) | .276(7.00) | .318(8.07) |
| 16 | FFC05020−16SBB1XXW5M | .476(12.10) | .295(7.50) | .337(8.57) |
| 17 | FFC05020−17SBB1XXW5M | .496(12.60) | .315(8.00) | .357(9.07) |
| 18 | FFC05020−18SBB1XXW5M | .516(13.10) | .335(8.50) | .377(9.57) |
| 19 | FFC05020−19SBB1XXW5M | .535(13.60) | .354(9.00) | .396(10.07) |
| 20 | FFC05020−20SBB1XXW5M | .555(14.10) | .374(9.50) | .416(10.57) |
| 21 | FFC05020−21SBB1XXW5M | .575(14.60) | .394(10.00) | .436(11.07) |
| 22 | FFC05020−22SBB1XXW5M | .594(15.10) | .413(10.50) | .456(11.57) |




Recommended P.C.Board Layout

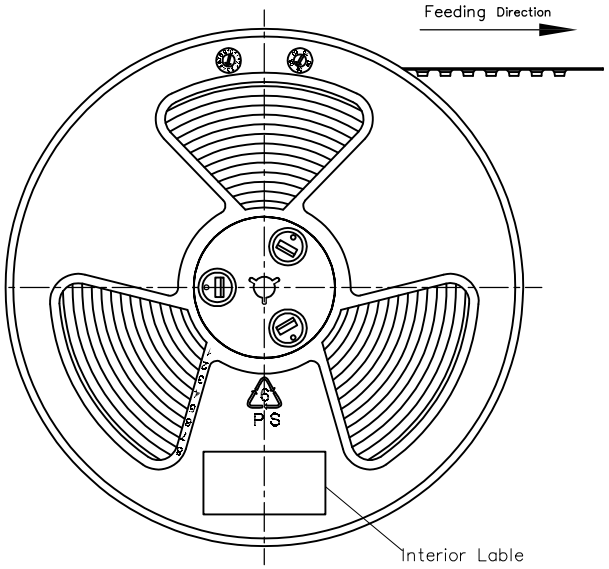
## Ordering Information

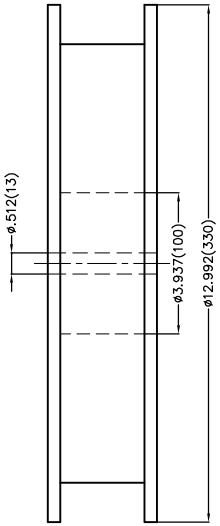
| FFC | 050 | 20 | — | XX | S | B | B | 1 | X | X | W5 | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Category | 2 | Series Number | 3 | Distinction No. | 4 | Circuits | 5 | Assemble Layout | 6 | Entry Angle | |
| | FFC−FPC | | 050−Pitch0.50mm | | 20 | | XX | | S−SMT | | B− 90° Angle | |
| 7 | Contact Position | 8 | ZIF | 9 | Plating | 10 | Material−Resin | 11 | Color−Resin | 12 | Packaging | |
| | B−Bottom | | 1−ZIF | | 2−Tin Plated<br>1−Gold Plated | | 4−PA6T<br>3−LCP | | W5−Housing: Natural,<br>Actuator: Black | | M−Reel | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY | DATE | PART NO. | ITEM NO. | TXGA Leader Of Industry |
| | X.±.012(0.30) | X.°±5° | FRANK | 18/JUN/13 | FFC05020−XXSBB1XXW5M | FFC05020 | |
| DESIGN UNITS Inch (metric) | X.X±.008(0.20) | .X°±2° | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FPC/FFC connector 0.5mm Bottom contact SMT | REV 0 | SHEET NO.1/2 |
| SCALE 1:1 | X.XX±.006(0.15) | .XX°±1° | DRAWN BY CHERRY | DATE 18/JUN/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| SIZE A4 | X.XXX±.004(0.10) | .XXX°±0.5° | | | | | |

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

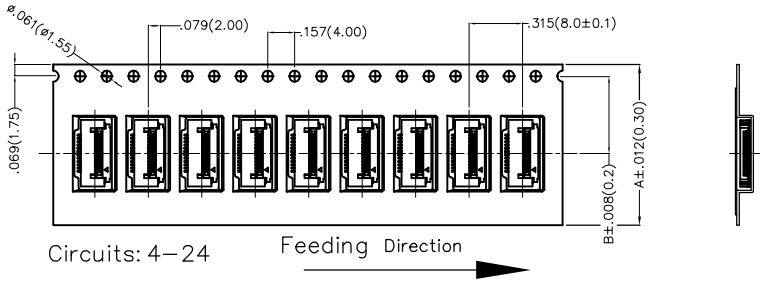


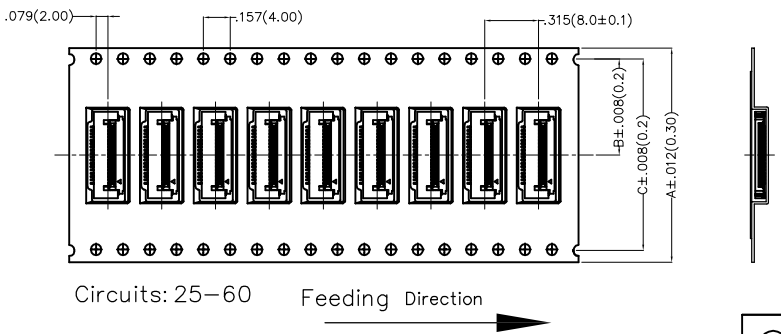



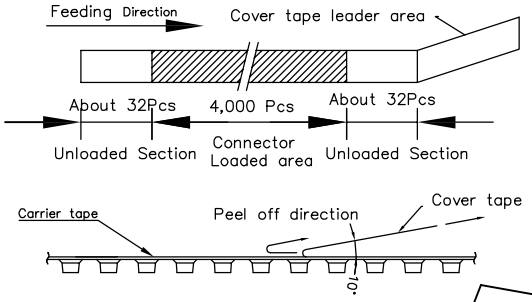

Note:

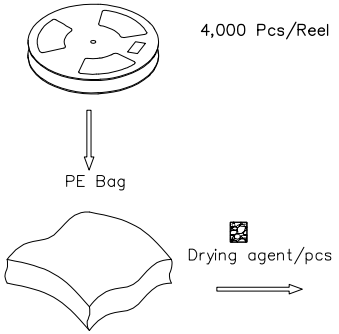
1. 10 sprocket hole cumulative tolerance±0.2
2. Carrier camber is within 1.0mm in 250mm
3. Materlat: White Conductive polystyrene Alloy 100% recyclable
4. All dimensions meet EIA-481-3 requirements
5. Peel off force of cover tape&carrier tape: 20g~130g(0.2N~1.3N)
6. Component load per 13" reel: 4,000 pcs

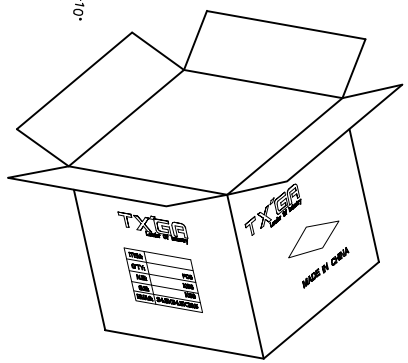
| Circuits (n) | Dimensions(in/mm) | | |
|---|---|---|---|
| | A | B | C |
| 4~8 | .630(16.0) | .295(7.50) | —— |
| 9~24 | .945(24.0) | .453(11.50) | —— |
| 25~36 | 1.260(32.0) | .561(14.25) | 1.122(28.50) |
| 37~55 | 1.732(44.0) | .797(20.25) | 1.594(40.50) |
| 50~55 | 1.732(44.0) | .797(20.25) | 1.594(40.50) |
| 56~60 | 2.205(56.0) | 1.033(26.25) | 2.067(52.50) |




| | | | | | |
|---|---|---|---|---|---|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. FFC05020-XXSBB1XXW5M / ITEM NO. FFC05020 |
| DESIGN UNITS Inch (metric) | X.±.012(0.30) | X.°±5° | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FPC/FFC connector 0.5mm Bottom contact SMT |
| SCALE 5:1 / SIZE A4 | X.X±.008(0.20) | .X°±2° | DRAWN BY CHERRY | DATE 18/JUN/13 | REV 0 / SHEET NO. 2/2 |
| | X.XX±.006(0.15) | .XX°±1° | | | |
| | X.XXX±.004(0.10) | .XXX°±0.5° | | | |

TXGA Leader Of Industry