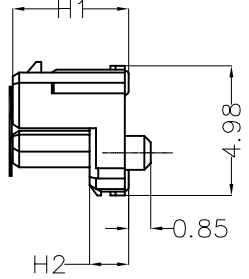
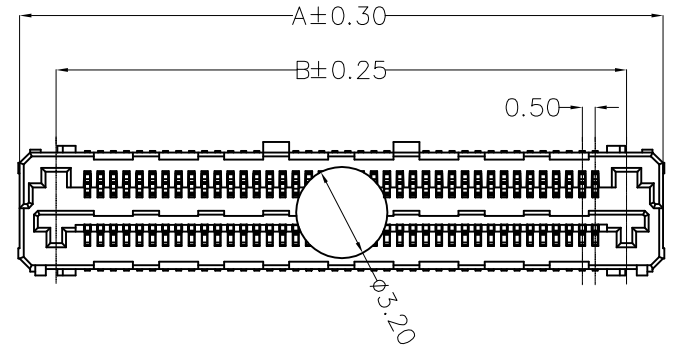


1 2 3 4 5 6 7 8

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

A

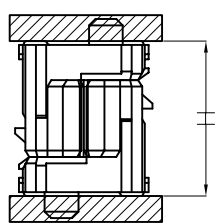
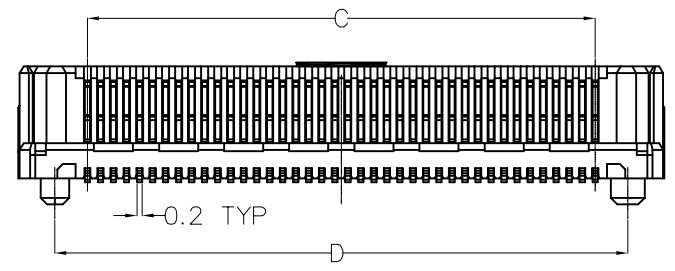


SPECIFICATIONS

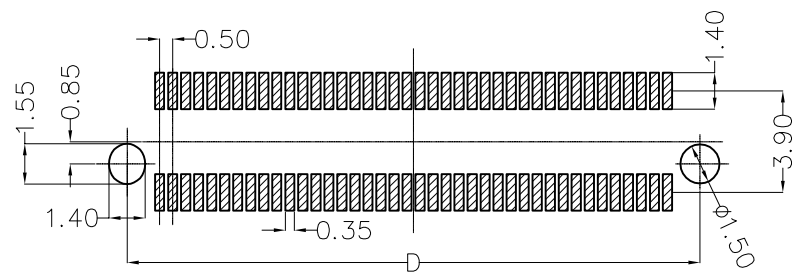
Electrical
 Current Rating: 2A AC(rms)/DC
 Voltage Rating: 160V AC(rms)/DC
 Contact Resistance: 30 mΩ Max
 Insulation Resistance: 1000 MΩ Min
 Withstanding Voltage: 470V AC r.m.s
 Operating Temperature: -55°C~+125°C

Material and plating
 Housing: LCP (UL 94V-0) Black
 Contacts: Copper Alloy/Gold Plated

B



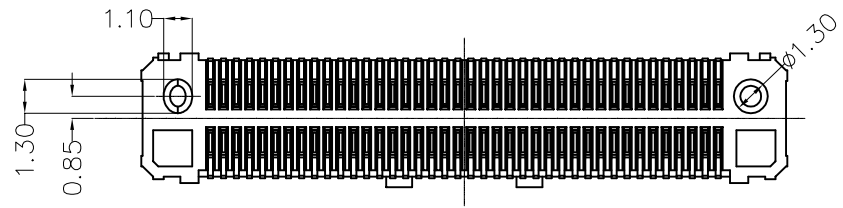
ASSEMBLY



Recommended P.C.Board Layout

C

D



Ordering Information

FBB 050 11 - C XXX S 1 XX 3 BK M HXX
 1 2 3 4 5 6 7 8 9 10 11 12

| | | | | | |
|----------------------------------|----------------------------------------------------|---------------------------|----------------------------|------------------------|------------------------------------------------------|
| 1 Category FBB-Board to Board | 2 Series Number 050-Pitch0.50mm | 3 Distinction No. 11 | 4 Type C-Hermaphroditic | 5 Circuits XXX | 6 Entry Angle S-180° Vertical |
| 7 Plating 1-Gold plated | 8 Thickness of Plating 00-Gold flash 10-10µ" | 9 Material-Resin 3-LCP | 10 Color-Resin BK-Black | 11 Packaging M-Reel | 12 H height H40-H1=3.95mm H45-H1=4.45mm ... |

| Dimensions(mm) | | |
|----------------|------|------|
| Height H | H1 | H2 |
| 5.00 | 3.95 | 1.00 |
| 6.00 | 4.45 | 1.50 |
| 8.00 | 5.45 | 2.50 |
| 12.00 | 7.45 | 4.50 |

E

F

| | | | | | | | |
|-------------------------------|----------------------------------------------|--------------------|---------------------------|-------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <p>THIRD ANGLE PROJECTION</p> | <p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> | | <p>APPROVE BY LEO</p> | <p>DATE 30/JAN/23</p> | <p>PART NO. FBB05011-CXXXS1XX3BKMHXX</p> | <p>ITEM NO. FBB05011</p> | <p>Building Technology Cornerstone</p> |
| | <p>DESIGN UNITS METRIC</p> | <p>X. ±0.30</p> | <p>X.* ±5°</p> | <p>CHECKED BY GISELLE</p> | <p>DATE 30/JAN/23</p> | <p>TITLE Board to Board Pitch 0.50mm 180° Vertical (SMT)</p> | |
| <p>SCALE 5:1</p> | <p>SIZE A4</p> | <p>X.XX ±0.15</p> | <p>X.XX' ±1°</p> | <p>DRAWN BY YYQ</p> | <p>DATE 30/JAN/23</p> | <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> | |
| | | <p>X.XXX ±0.10</p> | <p>X.XXX' ±0.5°</p> | | | <p>REV 0</p> | <p>SHEET NO. 1/3</p> |

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

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

A

B

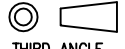

C

D

E

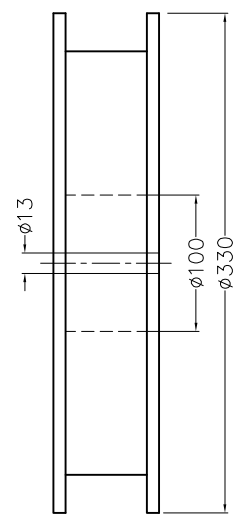
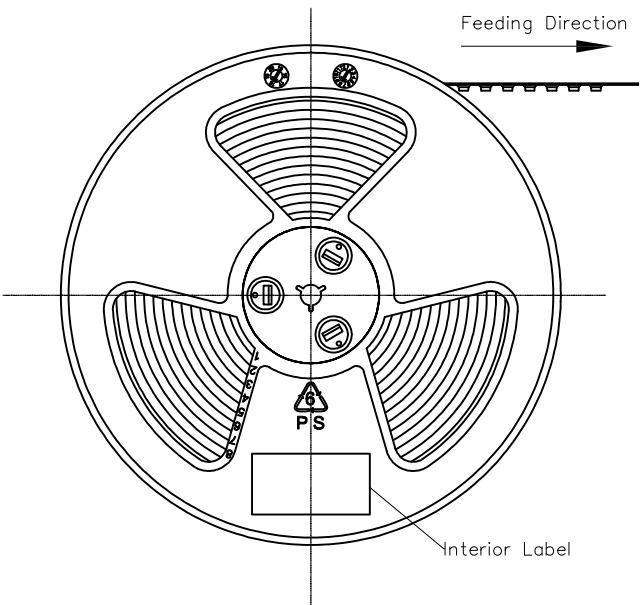
F

| Circuits (n) | Part No. | Dimensions(mm) | | | |
|-----------------|--------------------------|----------------|-------|-------|-------|
| | | A | B | C | D |
| 20 | FBB05011-C020S1XX3BKMHXX | 9.70 | 6.90 | 4.50 | 7.00 |
| 40 | FBB05011-C040S1XX3BKMHXX | 14.70 | 11.90 | 9.50 | 12.00 |
| 50 | FBB05011-C050S1XX3BKMHXX | 17.20 | 14.40 | 12.00 | 14.50 |
| 60 | FBB05011-C060S1XX3BKMHXX | 19.70 | 16.90 | 14.50 | 17.00 |
| 80 | FBB05011-C080S1XX3BKMHXX | 24.70 | 21.90 | 19.50 | 22.00 |
| 100 | FBB05011-C100S1XX3BKMHXX | 29.70 | 26.90 | 24.50 | 27.00 |

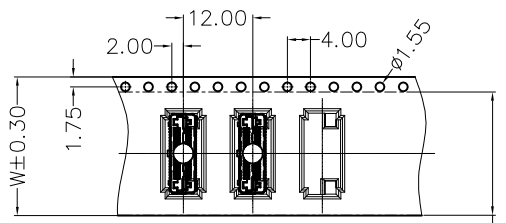
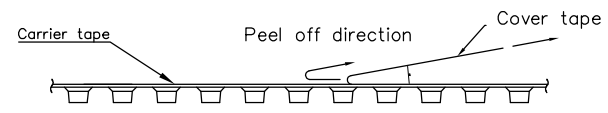
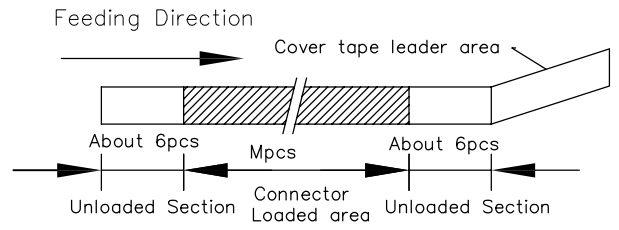
| | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------|--------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY LEO | DATE 30/JAN/23 | PART NO. FBB05011-CXXXS1XX3BKMHXX | ITEM NO. FBB05011 |  Building Technology Cornerstone | |
| | DESIGN UNITS METRIC | X. ±0.30 X.X ±0.20 X.XX ±0.15 X.XXX ±0.10 | X.* ±5° X.X* ±2° X.XX* ±1° X.XXX* ±0.5° | CHECKED BY GISELLE | DATE 30/JAN/23 | TITLE Board to Board Pitch 0.50mm 180° Vertical (SMT) | | REV 0 |
| SCALE 5:1 | SIZE A4 | DRAWN BY YYQ | | DATE 30/JAN/23 | 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

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



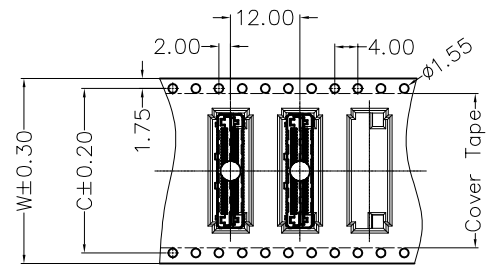
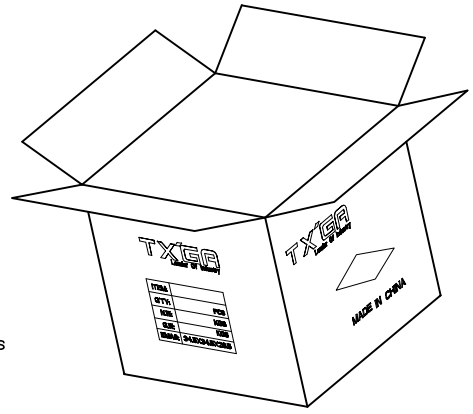
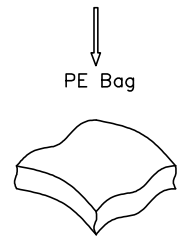
- Note:
- 1.10 sprocket hole cumulative tolerance ± 0.2
 2. Carrier camber is within 1.0mm in 250mm
 3. Material: Clear conductive polystyrene Alloy 100% recyclable
 4. All dimensions meet EIA-481-3 requirements
 5. Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
 6. Component load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



Feeding Direction

Cover Tape

| Circuits (n) | Dimensions(mm) | | M(pcs) H(Height) |
|--------------|----------------|------|----------------------------|
| | W | C | |
| 08-46 | 24 | - | 1000(H=5.00) |
| 48-78 | 32 | 28.4 | 900(H=6.00) 800(H=8.00) |
| 80-100 | 44 | 40.4 | 600(H=12.00) |



Feeding Direction

Cover Tape

| | | | | | | | |
|-------------------------------|---------------------------------------|---------------------|------------------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY | DATE | PART NO. | ITEM NO. | <p>Building Technology Cornerstone</p> |
| | X. ± 0.30 | X.* $\pm 5^\circ$ | LEO | 30/JAN/23 | FBB05011-CXXXS1XX3BKMHX | FBB05011 | |
| | X.X ± 0.20 | X.X* $\pm 2^\circ$ | CHECKED BY | DATE | TITLE | | |
| | X.XX ± 0.15 | X.XX* $\pm 1^\circ$ | YIQ | 30/JAN/23 | Board to Board Pitch 0.50mm 180° Vertical (SMT) | | |
| SCALE | SIZE | X.XXX ± 0.10 | X.XXX* $\pm 0.5^\circ$ | 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 | | | YYQ | 30/JAN/23 | REV 0 | SHEET NO. 3/3 |