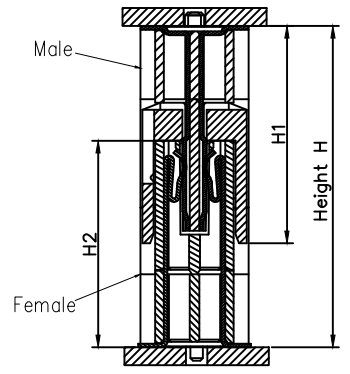
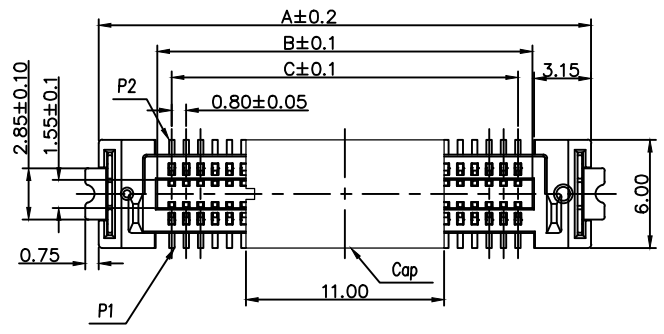


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

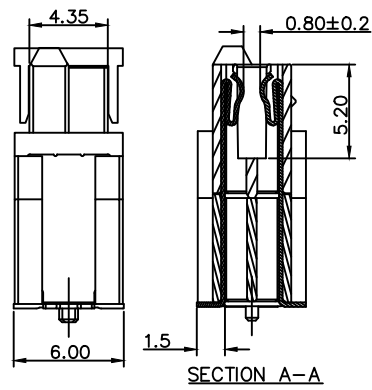
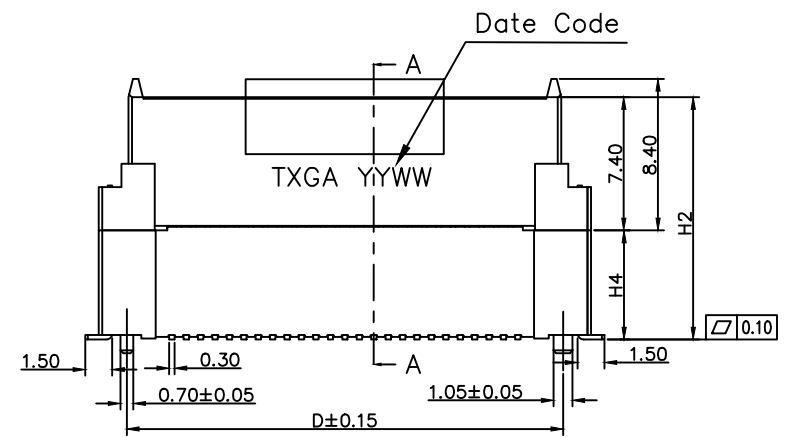


**SPECIFICATIONS**

**Electrical**  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 65 mΩ Max  
 Insulation Resistance: 100 MΩ Min  
 Withstanding Voltage: 250V AC r.m.s  
 Operating Temperature: -55°C~+125°C

**Material and plating**  
 Housing: LCP (UL 94V-0)  
 Contacts: Copper Alloy/Selective gold plated on contact area and matte tin plated on tails area  
 Solder Tab: Copper Alloy/80~150u" Tin Plated Overall, 50~120u" Nickel Overall.

Mating Section

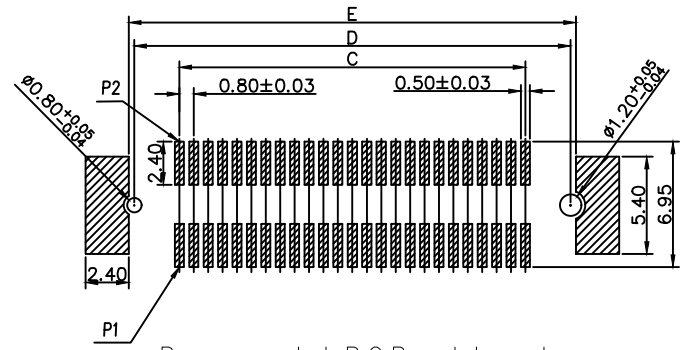


Dimensions(mm)		
Female H2	H2	H4
10.40	10.40	3.00
11.40	11.40	4.00
13.40	13.40	6.00

**Ordering Information**

FBB 080 12 — F XX S 7 XX 3 XX M HXX  
 1 2 3 4 5 6 7 8 9 10 11 12

- |   |   |   |                                     |   |                         |    |                         |    |                     |    |  |
|---|---|---|-------------------------------------|---|-------------------------|----|-------------------------|----|---------------------|----|--|
| 1 | Category<br>FBB—Board To Board  | 2 | Series Number<br>080—Pitch0.80mm    | 3 | Distinction No.<br>12   | 4  | Type<br>F—Female        | 5  | Circuits<br>XX      | 6  | Entry Angle<br>S—180°Vertical                                    |
| 7 | Plating<br>7—Selective gold plated on contact area and matte tin plated on tails area | 8 | thickness of Gold Plating<br>01—1u" | 9 | Material—Resin<br>3—LCP | 10 | Color—Resin<br>BK—Black | 11 | Packaging<br>M—Reel | 12 | Female height<br>HA4—H2=10.4mm<br>HB4—H2=11.4mm<br>HD4—H2=13.4mm |



Recommended P.C.Board Layout  
 General tolerances:±0.05

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FBB08012—FXXS7XX3XXMHXX	ITEM NO. FBB08012	
	DESIGN UNITS METRIC(mm)	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 19/Sept/23	TITLE Board to Board Pitch 0.8mm 180°Vertical (SMT)	
SCALE 5:1	SIZE A4	DRAWN BY Hejianpeng		DATE 19/Sept/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

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

Dimensions(mm)				
Height H	Male H1		Female H2	
18.00	12.00	13.00	11.40	10.40
19.00	11.00		13.40	
20.00	14.00		11.40	
22.00	14.00		13.40	

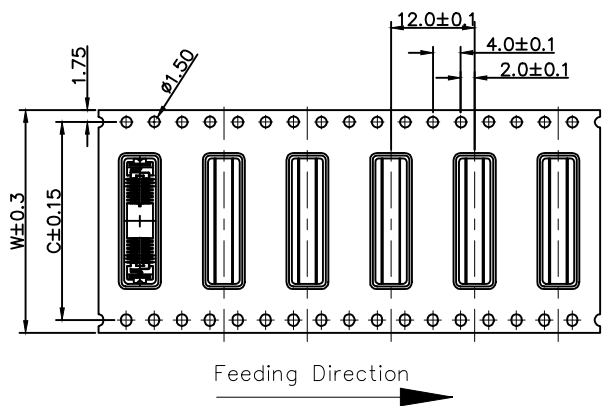
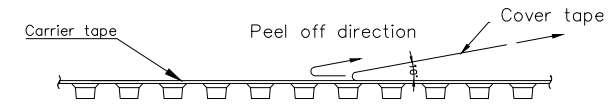
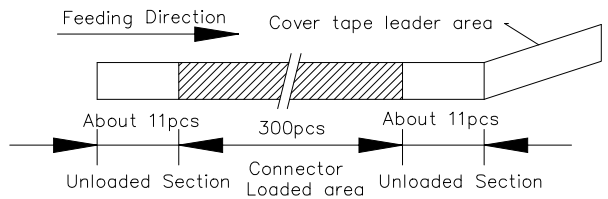
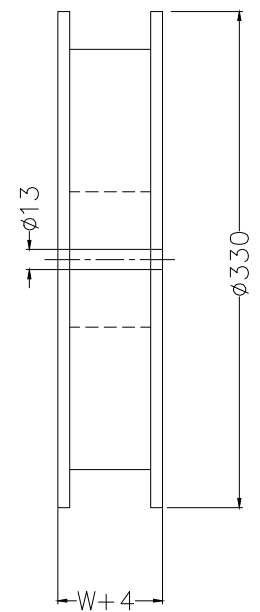
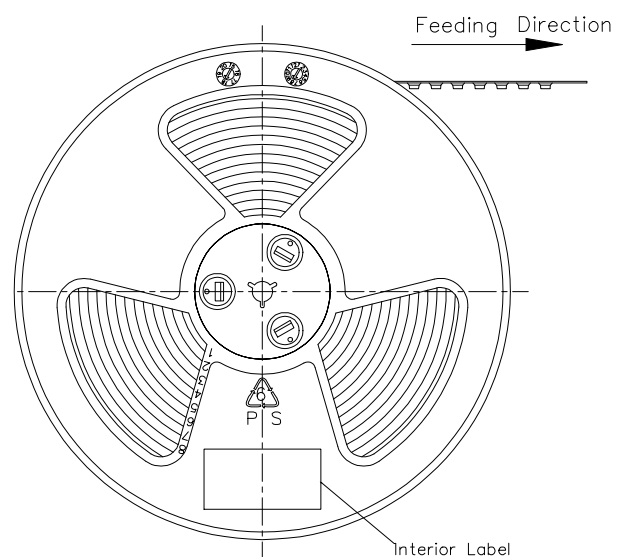
Circuits (n)	Part NO.	Dimensions				
		A	B	C	D	E
20	FBB08012-F20S7XX3BKMHXX	15.30	8.80	7.20	12.20	12.80
30	FBB08012-F30S7XX3BKMHXX	19.30	12.80	11.20	16.20	16.80
40	FBB08012-F40S7XX3BKMHXX	23.30	16.80	15.20	20.20	20.80
60	FBB08012-F60S7XX3BKMHXX	31.30	24.80	23.20	28.20	28.80
80	FBB08012-F80S7XX3BKMHXX	39.30	32.80	31.20	36.20	36.80
100	FBB08012-F100S7XX3BKMHXX	47.30	40.80	39.20	44.20	44.80
120	FBB08012-F120S7XX3BKMHXX	55.30	48.80	47.20	52.20	52.80

 <p>THIRD ANGLE PROJECTION</p>	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>APPROVE BY</b> LEO	<b>DATE</b> 19/Sept/23	<b>PART NO.</b> FBB08012-FXXS7XX3XXMHXX	<b>ITEM NO.</b> FBB08012	 <p><b>TXGA</b> Building Technology Cornerstone</p>	
	X. ±0.30	X.* ±5°	<b>CHECKED BY</b> GISELLE	<b>DATE</b> 19/Sept/23	<b>TITLE</b> Board to Board Pitch 0.8mm 180°Vertical (SMT)			REV 0
	<b>DESIGN UNITS METRIC(mm)</b>	X.X ±0.20	X.X* ±2°	<b>DRAWN BY</b> Hejianpeng	<b>DATE</b> 19/Sept/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
<b>SCALE</b> 5:1	<b>SIZE</b> A4	X.XX ±0.15	X.XX* ±1°					
		X.XXX ±0.10	X.XXX* ±0.5°					

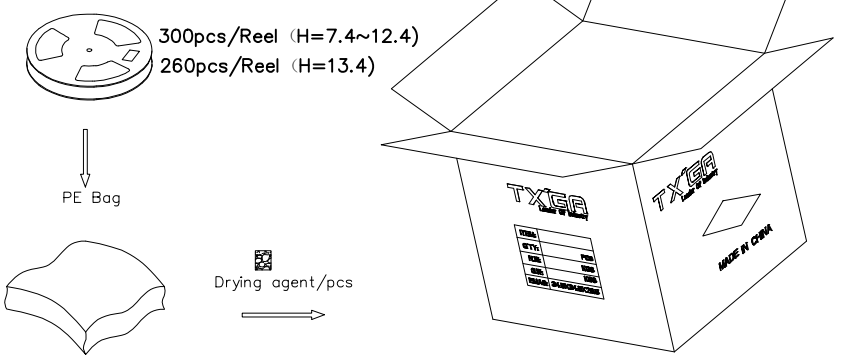
1 2 3 4 5 6 7 8

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: 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: See table



Circuits (n)	Dimensions	
	W	C
20-30	32	28.4
40-50	44	40.4
60-80	56	52.4
100-120	72	68.4



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FBB08012-FXXS7XX3XXMHXX	ITEM NO. FBB08012	<p>Building Technology Cornerstone</p>	
	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 19/Sept/23	TITLE Board to Board Pitch 0.8mm 180°Vertical (SMT)			REV 0
	DESIGN UNITS METRIC(mm)	X.X ±0.20	X.X* ±2°	DRAWN BY Hejianpeng	DATE 19/Sept/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S,Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3/3
	SCALE 1:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	X.XXX ±0.10	X.XXX* ±0.5°		