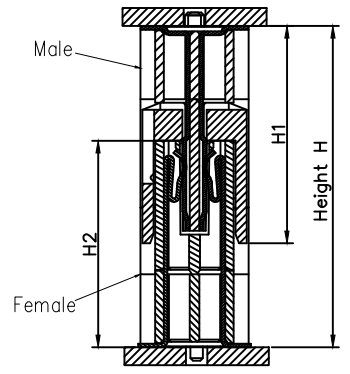
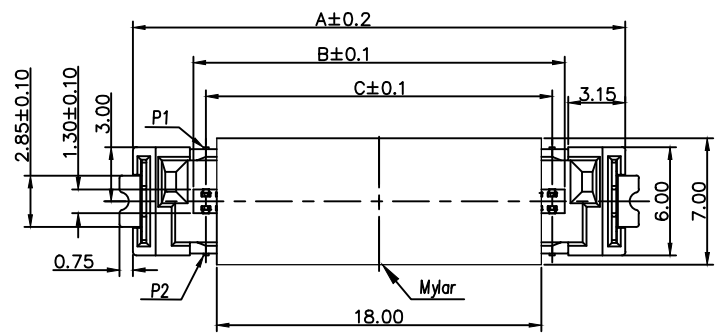


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Mating Section

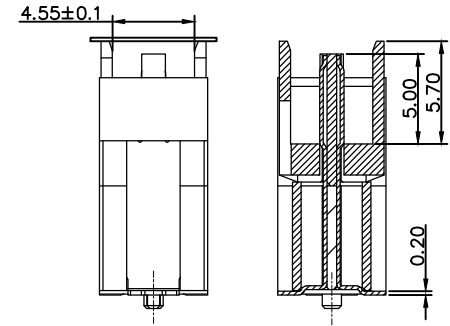
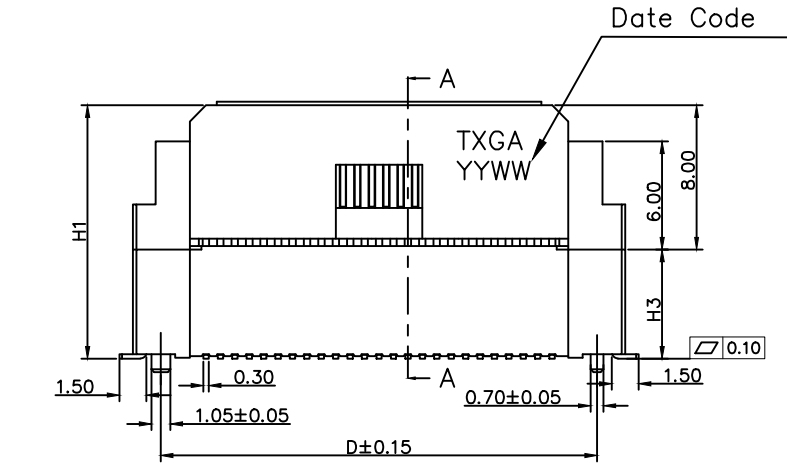
SPECIFICATIONS

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.



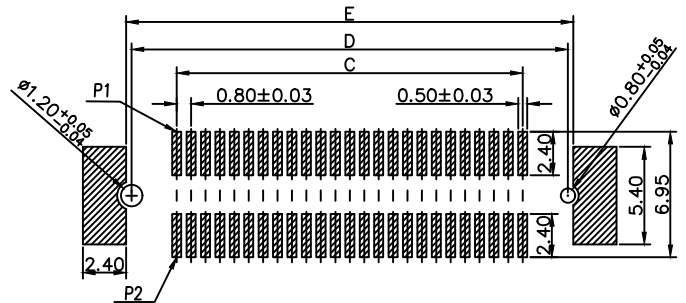
SECTION A-A

Dimensions(mm)		
Male H1	H1	H3
11.00	11.00	3.00
12.00	12.00	4.00
13.00	13.00	5.00
14.00	14.00	6.00

Ordering Information

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

1 Category FBB-Board To Board	2 Series Number 080-Pitch0.80mm	3 Distinction No. 12	4 Type M-Male	5 Circuits XX	6 Entry Angle S-180°Vertical
7 Plating 7-Selective gold plated on contact area and matte tin plated on tails area	8 thickness of Gold Plating 01-1u"	9 Material-Resin 3-LCP	10 Color-Resin BK-Black	11 Packaging M-Reel	12 Male height HBO-H1=11.0mm HCO-H1=12.0mm HDO-H1=13.0mm HEO-H1=14.0mm



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

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>X. ±0.30 X.* ±5*</p>		<p>APPROVE BY</p> <p>LEO</p>	<p>DATE</p> <p>19/Sept/23</p>	<p>PART NO.</p> <p>FBB08012-MXXS7XX3XXMHXX</p>	<p>ITEM NO.</p> <p>FBB08012</p>	<p>Building Technology Cornerstone</p>
	<p>DESIGN UNITS METRIC(mm)</p> <p>X.X ±0.20 X.X* ±2*</p>		<p>CHECKED BY</p> <p>GISELLE</p>	<p>DATE</p> <p>19/Sept/23</p>	<p>TITLE</p> <p>Board to Board Pitch 0.8mm 180°Vertical (SMT)</p>		
<p>SCALE</p> <p>5:1</p>	<p>SIZE</p> <p>A4</p>	<p>X.XX ±0.15 X.XX* ±1*</p> <p>X.XXX ±0.10 X.XXX* ±0.5*</p>		<p>DRAWN BY</p> <p>Hejianpeng</p>	<p>DATE</p> <p>19/Sept/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>	

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

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	

C

C

Circuits (n)	Part NO.	Dimensions				
		A	B	C	D	E
20	FBB08012-M20S7XX3BKMHXX	15.30	8.60	7.20	12.20	12.80
30	FBB08012-M30S7XX3BKMHXX	19.30	12.60	11.20	16.20	16.80
40	FBB08012-M40S7XX3BKMHXX	23.30	16.60	15.20	20.20	20.80
60	FBB08012-M60S7XX3BKMHXX	31.30	24.60	23.20	28.20	28.80
80	FBB08012-M80S7XX3BKMHXX	39.30	32.60	31.20	36.20	36.80
100	FBB08012-M100S7XX3BKMHXX	47.30	40.60	39.20	44.20	44.80
120	FBB08012-M120S7XX3BKMHXX	55.30	48.60	47.20	52.20	52.80

D

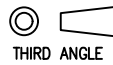

D

E

E

F

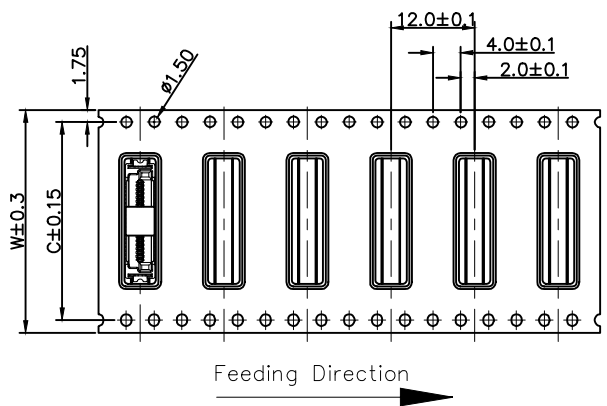
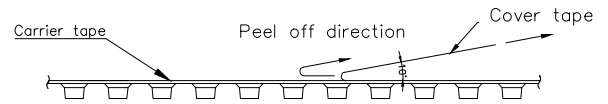
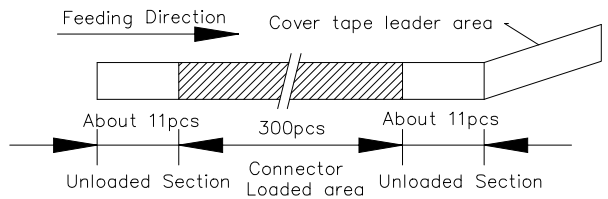
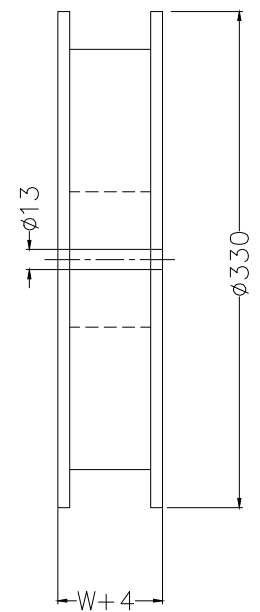
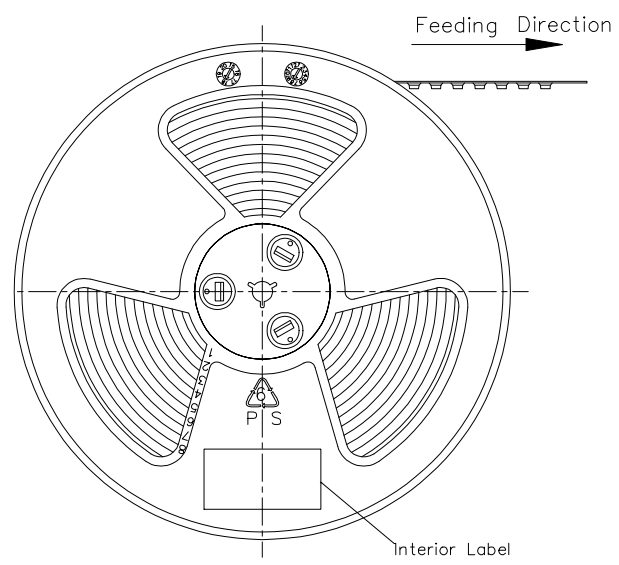
F

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FBB08012-MXXS7XX3XXMHXX	ITEM NO. FBB08012	 Building Technology Cornerstone	
	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		
	SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	X.XXX ±0.10	X.XXX* ±0.5°	SHEET NO. 2/3	

1 2 3 4 5 6 7 8

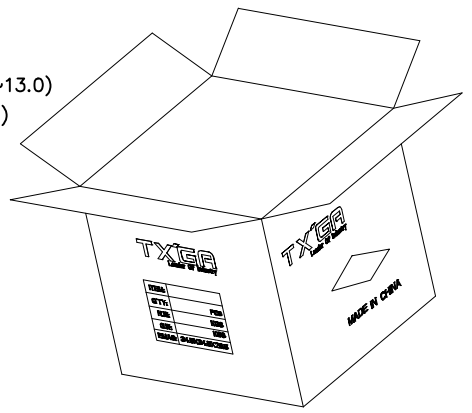
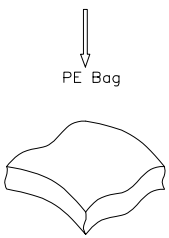
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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

300pcs/Reel (H=8.0~13.0)
 260pcs/Reel (H=14.0)



<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.* ±5°	LEO	19/Sept/23	FBB08012-MXXS7XX3XXMHXX	FBB08012	
	DESIGN UNITS METRIC(mm)		CHECKED BY	DATE	TITLE		
	X.X ±0.20	X.X* ±2°	GISELLE	19/Sept/23	Board to Board Pitch 0.8mm 180°Vertical (SMT)		
SCALE	SIZE	X.XX ±0.15	X.XX* ±1°	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	
1:1	A4	X.XXX ±0.10	X.XXX* ±0.5°	Hejianpeng	19/Sept/23	REV 0	SHEET NO. 3/3