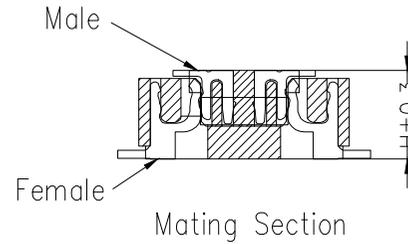
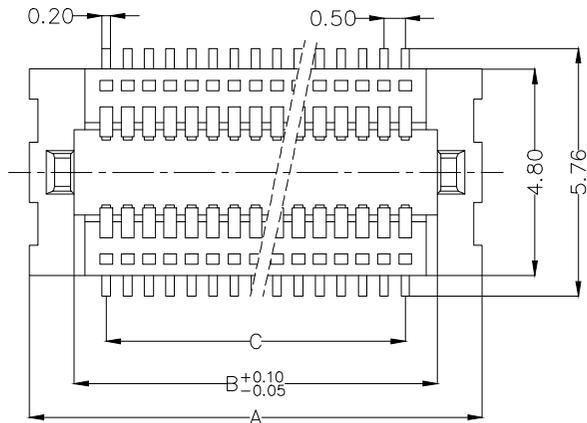


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	20/MAY/21	KATE	CHERRY
2		Add height series	23/Dec/25	Hejianpeng	CHERRY

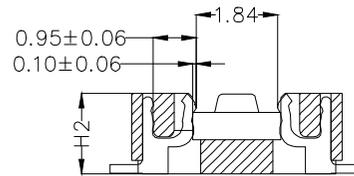


**Electrical**

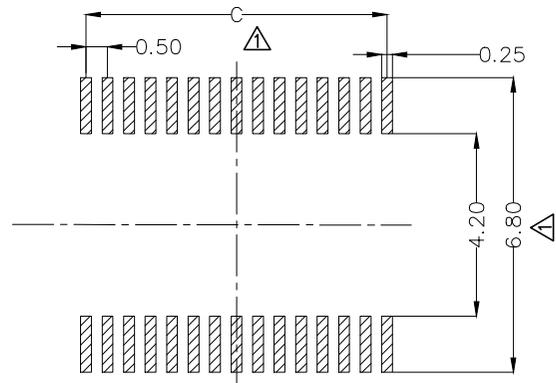
Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 40 mΩ Max  
 Insulation Resistance: 500 MΩ MIN  
 Withstanding Voltage: 200V AC r.m.s  
 Temperature Range—Operating: -25°C~+85°C

**Material and Plating**

Housing: LCP( UL 94V-0)  
 Contact Pin: Phosphor Bronze  
 Plating: Gold Plated



Dimensions(mm)		
Height H	Male H1	Female H2
1.50	1.28	1.35
2.00	1.28	1.85
2.50	1.28	2.35



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

**Ordering Information**

FBB 050 01 — F XX S 1 XX 3 W5 M HXX  
 1 2 3 4 5 6 7 8 9 10 11 12

1	Category FBB—Board To Board	2	Series Number 050—Pitch0.5mm	3	Distinction No. 01	4	Type F—Female	5	Circuits XX	6	Entry Angle S—180° Vertical
7	Plating 1—Gold Plated	8	Thickness of Plating 00—Gold Flash 01—1u"	9	Material—Resin 3—LCP	10	Color—Resin W5—Natural	11	Packaging M—Reel	12	Female High H13—H2=1.35mm H18—H2=1.85mm H23—H2=2.35mm

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 26/SEPT/13	PART NO. FBB05001-FXXS1XX3W5MHXX	TEM NO. FBB05001-F	 Leader Of Industry
	DESIGN UNITS mm	X.±0.12(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 26/SEPT/13	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)	
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	DRAWN BY JACOB	DATE 26/SEPT/13	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

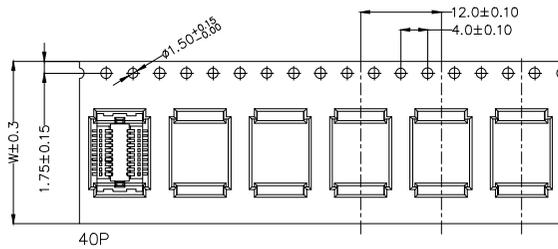
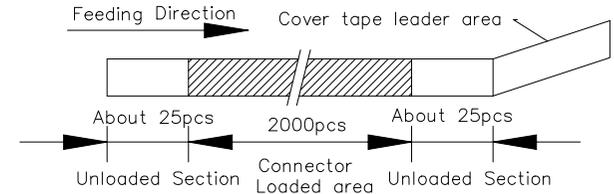
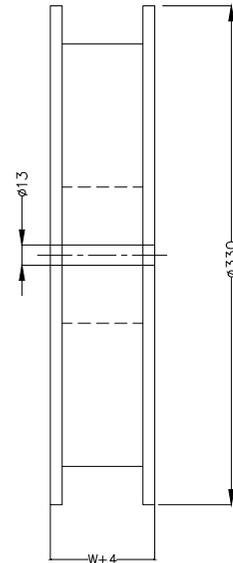
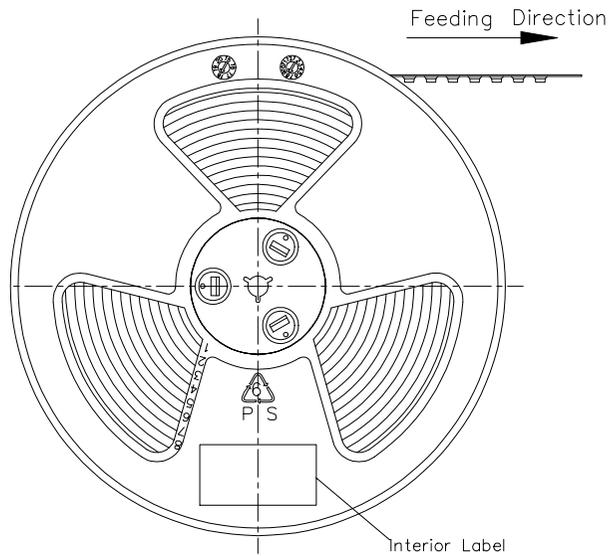
Circuits (n)	Part No.	Dimensions(mm)		
		A	B	C
10	FBB05001-F10S1XX3W5MHXX	5.60	3.50	2.00
12	FBB05001-F12S1XX3W5MHXX	6.10	4.00	2.50
14	FBB05001-F14S1XX3W5MHXX	6.60	4.50	3.00
16	FBB05001-F16S1XX3W5MHXX	7.10	5.00	3.50
18	FBB05001-F18S1XX3W5MHXX	7.60	5.50	4.00
20	FBB05001-F20S1XX3W5MHXX	8.10	6.00	4.50
22	FBB05001-F22S1XX3W5MHXX	8.60	6.50	5.00
24	FBB05001-F24S1XX3W5MHXX	9.10	7.00	5.50
26	FBB05001-F26S1XX3W5MHXX	9.60	7.50	6.00
28	FBB05001-F28S1XX3W5MHXX	10.10	8.00	6.50
30	FBB05001-F30S1XX3W5MHXX	10.60	8.50	7.00
32	FBB05001-F32S1XX3W5MHXX	11.10	9.00	7.50
34	FBB05001-F34S1XX3W5MHXX	11.60	9.50	8.00
36	FBB05001-F36S1XX3W5MHXX	12.10	10.00	8.50
38	FBB05001-F38S1XX3W5MHXX	12.60	10.50	9.00
40	FBB05001-F40S1XX3W5MHXX	13.10	11.00	9.50
50	FBB05001-F50S1XX3W5MHXX	15.60	13.50	12.00
60	FBB05001-F60S1XX3W5MHXX	18.10	16.00	14.50
70	FBB05001-F70S1XX3W5MHXX	20.60	18.50	17.00
80	FBB05001-F80S1XX3W5MHXX	23.10	21.00	19.50

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 26/SEPT/13	PART NO. FBB05001-FXXS1XX3W5MHXX	TEM NO. FBB05001-F	 Leader Of Industry	
	X.±.012(0.30)	.X'±5'	CHECKED BY CHERRY	DATE 26/SEPT/13	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)			REV 2
	DESIGN UNITS mm	X.X±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 26/SEPT/13	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'				

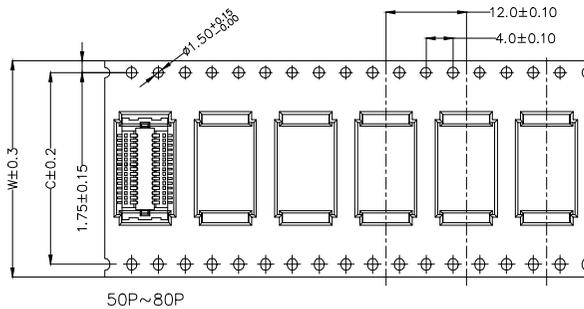
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

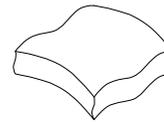
- Note:
- 1.10 sprocket hole cumulative tolerance±0.2
  - 2.Carrier camber is within 1.0mm in 250mm
  - 3.Material: White conductive polystyrene Alloy 100% recyclable
  - 4.All dimensions meet EIA-481-3 requirements
  - 5.Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
  - 6.Component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



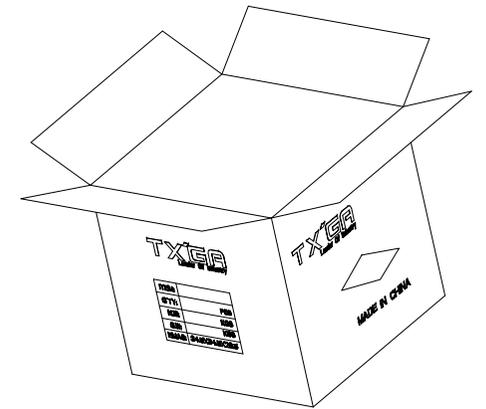
Circuits (n)	Dimensions	
	W	C
10-22	16	—
24-40	24	—
50-60	32	28.4
70-80	44	40.4



PE Bag



Drying agent/pcs



Feeding Direction

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY</p> <p>LEO</p>	<p>DATE</p> <p>19/Sept/23</p>	<p>PART NO.</p> <p>FBB05001-FXXS1XX3W5MHXX</p>	<p>ITEM NO.</p> <p>FBB05001-F</p>	<p>Building Technology Cornerstone</p>
	<p>X. ±0.30</p> <p>X.' ±5'</p>	<p>X.X ±0.20</p> <p>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 0.5mm 180°Vertical (SMT)</p>		
	<p>DESIGN UNITS</p> <p>mm</p>	<p>X.XX ±0.15</p> <p>X.XX' ±1'</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>		
	<p>SCALE</p> <p>1:1</p>	<p>SIZE</p> <p>A4</p>	<p>X.XXX ±0.10</p> <p>X.XXX' ±0.5'</p>				