

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

Electrical
 Current Rating: 2.0A AC(rms)/DC
 Voltage Rating: 100V AC(rms)/DC
 Contact Resistance: 30 mΩ Max
 Insulation Resistance: 300 MΩ Min
 Withstanding Voltage: 500V AC r.m.s
 Operating Temperature: -55°C~+125°C

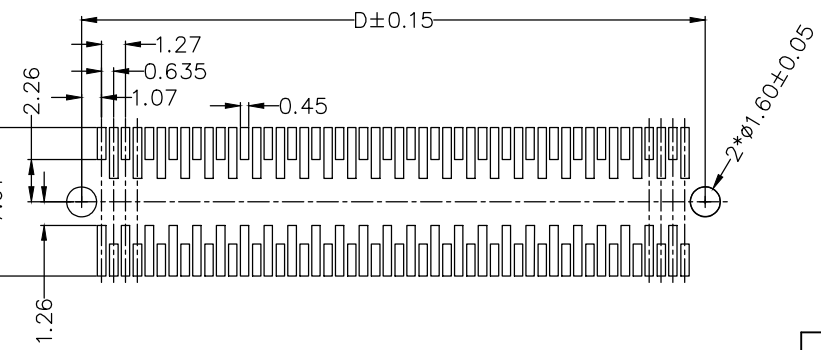
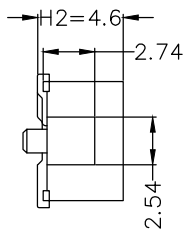
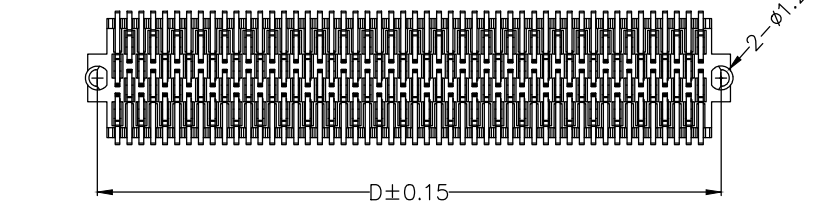
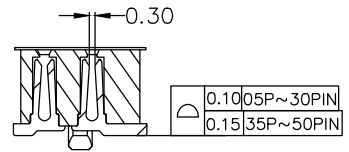
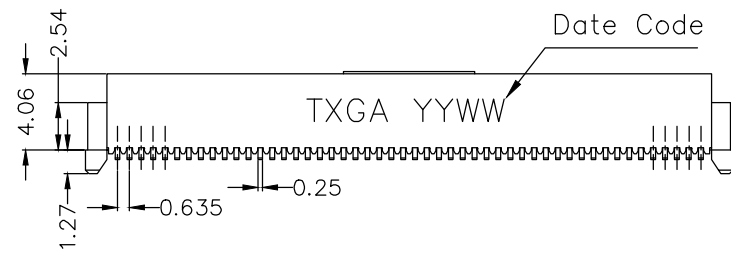
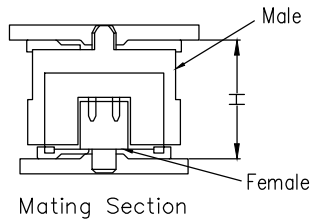
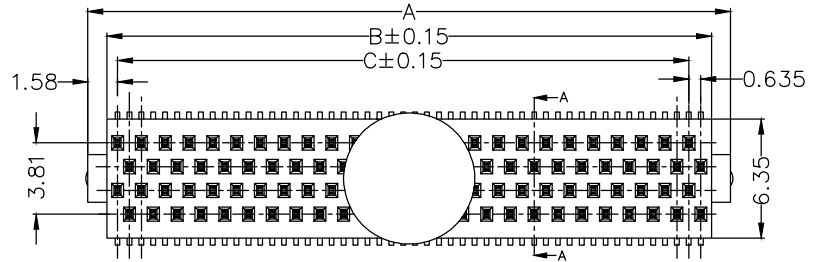
Material and plating
 Housing: LCP (UL 94V-0) Black
 Contacts: Copper Alloy/Gold plated

Dimensions(mm)		
Height H	Male H1	Female H2
6.35	5.59	4.60
8.00	7.23	4.60
10.00	9.23	4.60
12.00	11.23	4.60

Ordering Information

FBB	127	09	-	F	XX	S	1	XX	3	BK	M	HXX
1	2	3	4	5	6	7	8	9	10	11	12	

1	Category	2	Series Number	3	Distinction No.	4	Type	5	Circuits	6	Entry Angle
	FBB-Board to Board		127-Pitch1.27mm		09		F-Female		XX		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Material-Resin	10	Color-Resin	11	Packaging	12	Female height
	1-Gold plated		03-03u" 10-10u"		3-LCP		BK-Black		M-Reel		H46-H2=4.6mm



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

<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	30/JAN/23	FBB12709-FXXS1XX3BKMHXX	FBB12709	
DESIGN UNITS	X.X ±0.20	X.X* ±2°	CHECKED BY	DATE	TITLE		REV 0 SHEET NO. 1/3
mm	X.XX ±0.15	X.XX* ±1°	GISELLE	30/JAN/23	Board to Board Pitch 1.27mm 180° Vertical (SMT)		
SCALE	X.XXX ±0.10	X.XXX* ±0.5°	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			Hejianpeng	30/JAN/23			

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

C

C

D

D

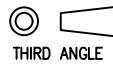

E

E

F

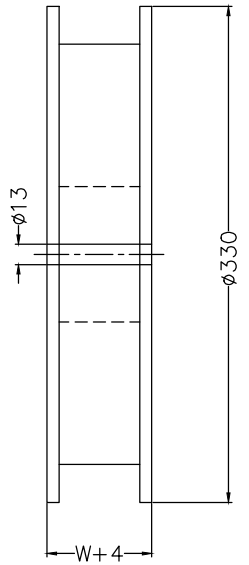
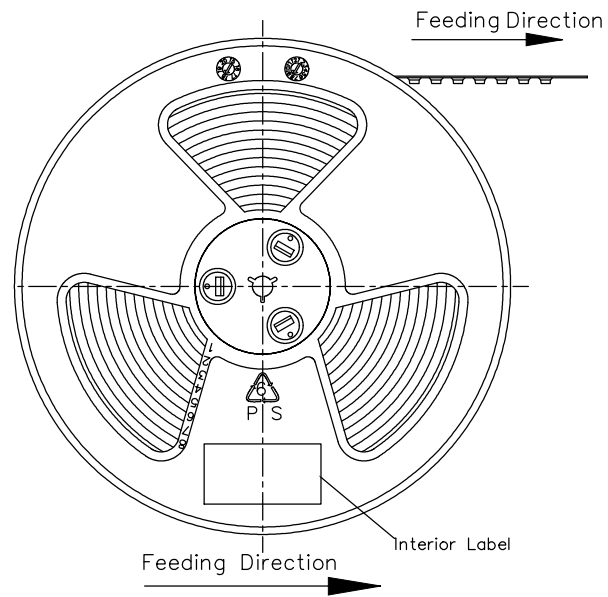
F

Circuits (n)	Part NO.	Dimensions			
		A	B	C	D
4X5	FBB12709-F20S1XX3BKMHXX	8.89	6.85	5.08	7.87
4X10	FBB12709-F40S1XX3BKMHXX	15.24	13.20	11.43	14.22
4X15	FBB12709-F60S1XX3BKMHXX	21.59	19.55	17.78	20.57
4X20	FBB12709-F80S1XX3BKMHXX	27.94	25.90	24.13	26.92
4X25	FBB12709-F100S1XX3BKMHXX	34.29	32.25	30.48	33.27
4X30	FBB12709-F120S1XX3BKMHXX	40.64	38.60	36.83	39.62
4X35	FBB12709-F140S1XX3BKMHXX	46.99	44.95	43.18	45.97
4X40	FBB12709-F160S1XX3BKMHXX	53.34	51.30	49.53	52.32
4X45	FBB12709-F180S1XX3BKMHXX	59.69	57.65	55.88	58.67
4X50	FBB12709-F200S1XX3BKMHXX	66.04	64.00	62.23	65.02

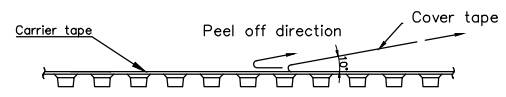
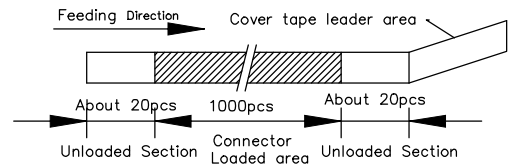
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.30 X.* ±5* X.X ±0.20 X.X* ±2* X.XX ±0.15 X.XX* ±1* X.XXX ±0.10 X.XXX* ±0.5*		APPROVE BY LEO	DATE 30/JAN/23	PART NO. FBB12709-FXXS1XX3BKMHXX	ITEM NO. FBB12709	 TXGA Building Technology Cornerstone
	DESIGN UNITS mm	SCALE 1:1	SIZE A4	CHECKED BY GISELLE	DATE 30/JAN/23	TITLE Board to Board Pitch 1.27mm 180° Vertical (SMT)	
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

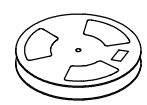
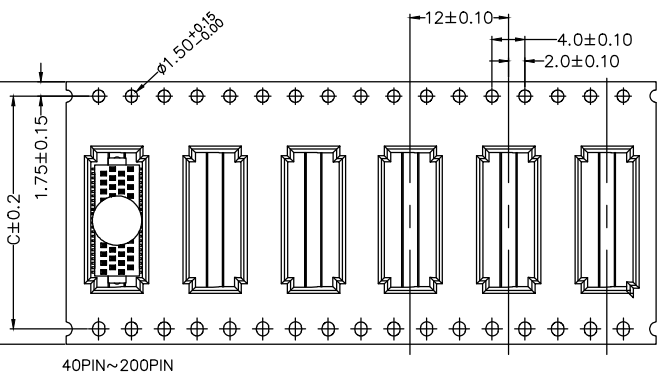
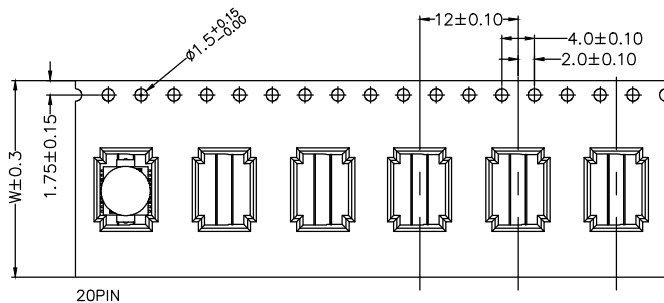
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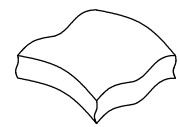
- Note:
- 1.10 sprocket hole cumulative tolerance ± 0.2
 2. Carrier camber is within 1.0mm in 250mm
 3. Material: Clear conductive polystyrene Alloy 100% recyclable
 4. All dimensions meet EIA-481-3 requirements
 5. Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
 6. Component load per 13" reel: 1000 pcs



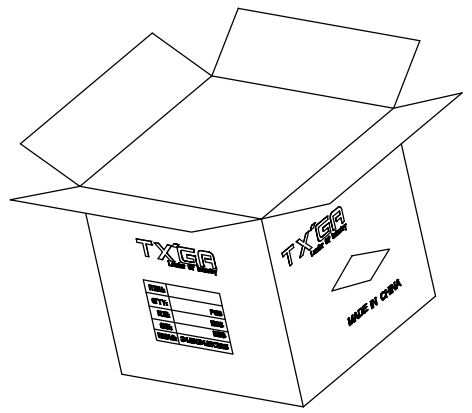
Circuits (n)	Dimensions	
	W	C
20	24	
40	32	28.4
60-80	44	40.4
100-120	56	52.4
140-160	72	64.4
180-200	88	76.4



PE Bag



Drying agent/pcs



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	X. ± 0.30	X.' $\pm 5^{\circ}$	LEO	30/JAN/23	FBB12709-FXXS1XX3BKMHHX	FBB12709	
DESIGN UNITS	X.X ± 0.20	X.X' $\pm 2^{\circ}$	CHECKED BY	DATE	TITLE		REV 0 SHEET NO. 3/3
mm	X.XX ± 0.15	X.XX' $\pm 1^{\circ}$	HEJIANPENG	30/JAN/23	Board to Board Pitch 1.27mm 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	
1:1	A4			Hejianpeng	30/JAN/23		