

With Peg

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

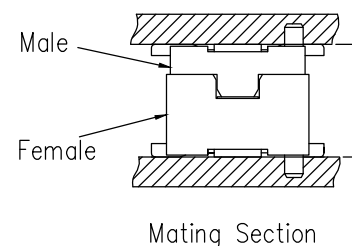
SPECIFICATIONS

Electrical

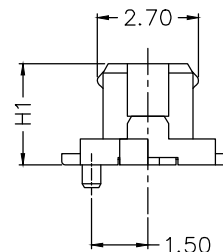
Current Rating: 0.3A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 50 mΩ Max
Insulation Resistance: 500 MΩ Min
Withstanding Voltage: 150V AC r.m.s
Operating Temperature: -55°C~+125°C

Material and plating

Housing: PA9T (UL 94V-0)
Contacts: Copper Alloy/Gold plated
Hold down: Copper Alloy/Tin plating



Mating Section



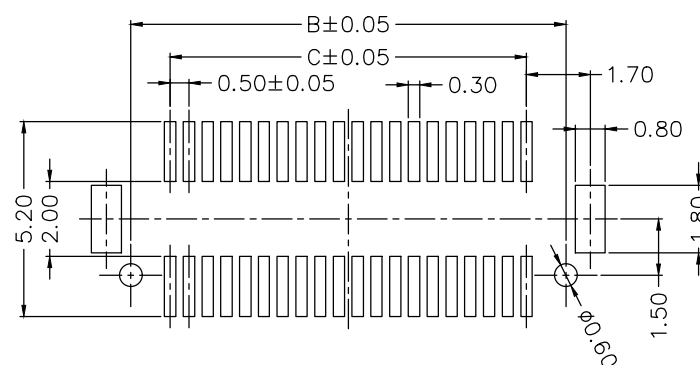
Dimensions(mm)		
Height H	Male H1	Female H2
3.00	2.20	2.30
3.50	2.70	2.80
4.00	2.70	3.30
5.00	2.70	4.30

Ordering Information

FBF 050 21 — M XX S 1 XX 5 XX M HXX X
1 2 3 4 5 6 7 8 9 10 11 12 13

1	Category FBB-Board To Board	2	Series Number 050-Pitch 0.50mm	3	Distinction No. 21	4	Type M-Male	5	Circuits XX	6	Entry Angle S-180°Vertical	7	Plating 1-Gold plated
8	thickness of Gold Plating 01-0.025μm	9	Material-Resin 5-PA9T	10	Color-Resin NA-Natural BK-Black	11	Packaging M-Reel	12	Male height H22-H1=2.20mm H27-H1=2.70mm	13	Peg A-With Peg B-Without Peg		

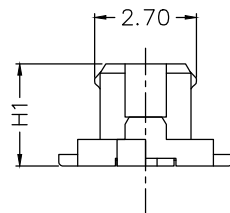
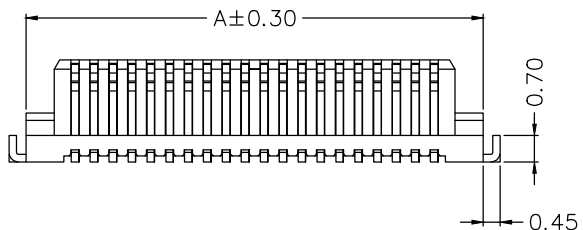
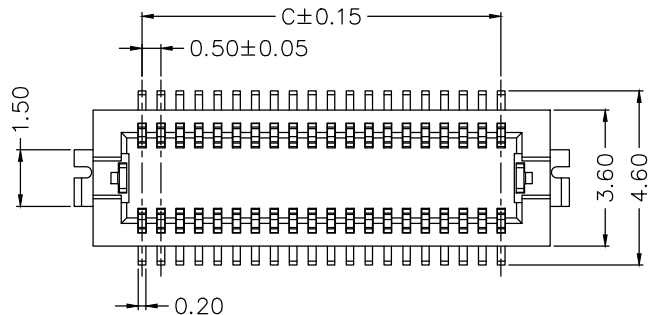
Recommended P.C.Board Layout
General tolerances: ±0.05



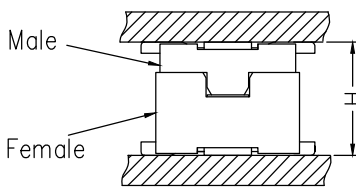
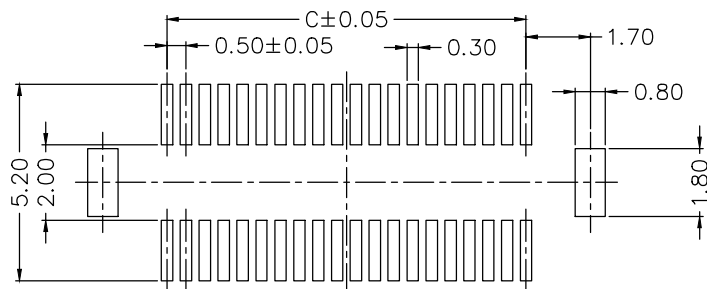
 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 26/Sept/24	PART NO. FBB05021-MXXS1XX5XXMHXXX	ITEM NO. FBB05021	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE Board to Board Pitch 0.5mm 180°Vertical (SMT)			
DESIGN UNITS METRIC(mm)		X.X ±0.20	X.X* ±2°	GISELLE	26/Sept/24			REV 0	SHEET NO. 1/3
SCALE 5:1	SIZE A4	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			
		X.XXX ±0.10	X.XXX* ±0.5°	HJP	26/Sept/24				

Without Peg

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Circuits (n)	Part NO.	Dimensions		
		A	B	C
20	FBB05021-M20S1XX5XXMHXXX	7.20	6.60	4.50
30	FBB05021-M30S1XX5XXMHXXX	9.70	9.10	7.00
40	FBB05021-M40S1XX5XXMHXXX	12.20	11.60	9.50
60	FBB05021-M60S1XX5XXMHXXX	17.20	16.60	14.50
80	FBB05021-M80S1XX5XXMHXXX	22.20	21.60	19.50



Mating Section

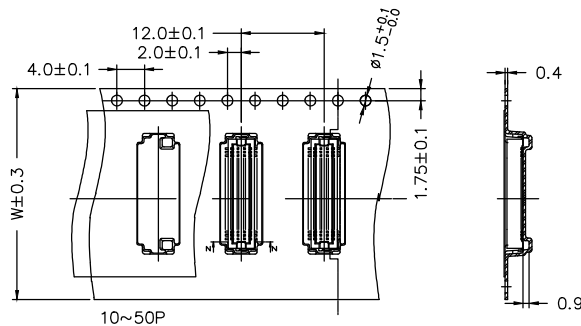
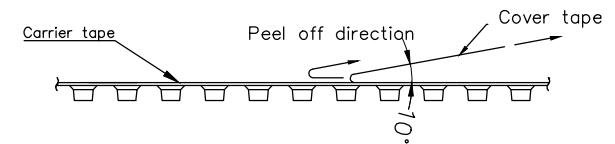
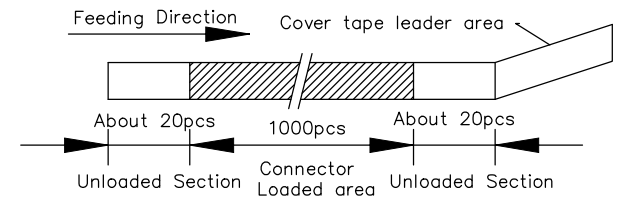
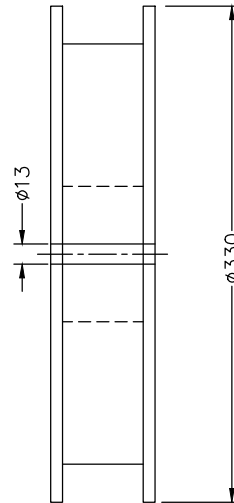
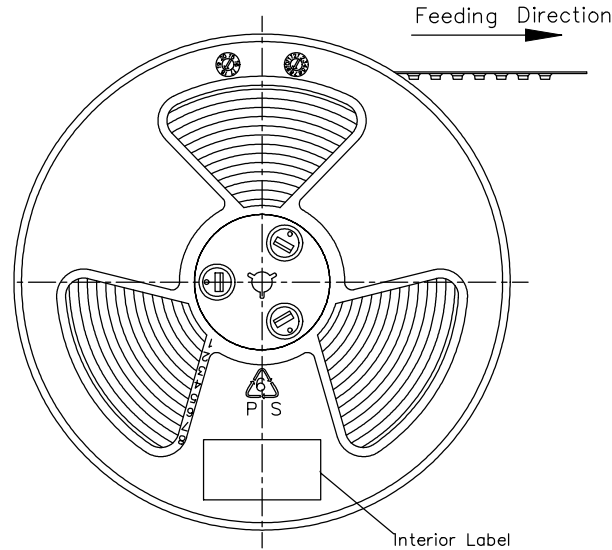
Recommended P.C.Board Layout
General tolerances:±0.05

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 26/Sept/24	PART NO. FBB05021-MXXS1XX5XXMHXXX	ITEM NO. FBB05021	 Building Technology Cornerstone	
DESIGN UNITS mm		X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 26/Sept/24	TITLE Board to Board Pitch 0.5mm 180°Vertical (SMT)		REV 0 SHEET NO. 2/3	
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	DRAWN BY HJP	DATE 26/Sept/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.XXX ±0.10	X.XXX* ±0.5°						

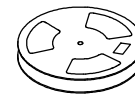
1 2 3 4 5 6 7 8

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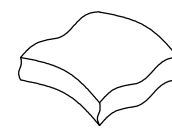
- Note:
- 1.10 sprocket hole cumulative tolerance ± 0.2
 - 2.Carrier camber is within 1.0mm in 250mm
 - 3.Material: White conductive polystyrene Alloy 100% recyclable
 - 4.All dimensions meet EIA-481-3 requirements
 - 5.Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
 - 6.Component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



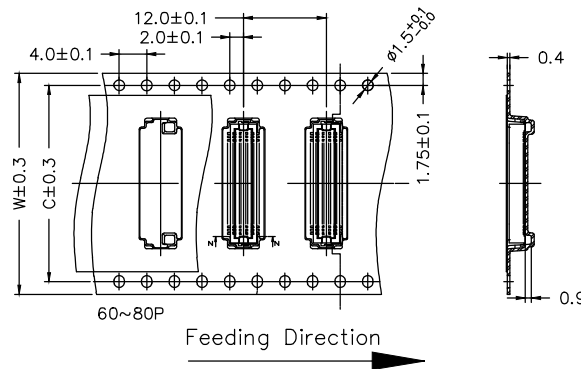
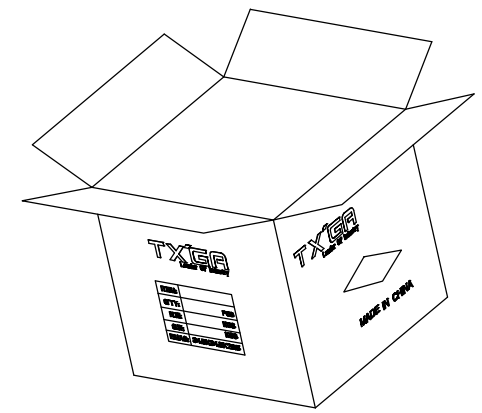
Circuits (n)	Dimensions	
	W	C
10~20	16	—
24~50	24	—
60	32	28.4
80	44	40.4



PE Bag



Drying agent/pcs



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone			
				LEO	26/Sept/24	FBB05021-MXXS1XX5XXMHXXX	FBB05021				
DESIGN UNITS METRIC(mm)		X. ± 0.30	X.* $\pm 5^{\circ}$	CHECKED BY	DATE	TITLE Board to Board Pitch 0.5mm 180°Vertical (SMT)		REV 0		SHEET NO. 3/3	
		X.X ± 0.20	X.X* $\pm 2^{\circ}$	GISELLE	26/Sept/24						
SCALE 1:1		SIZE A4		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					
		X.XX ± 0.15	X.XX* $\pm 1^{\circ}$	HJP	26/Sept/24						
		X.XXX ± 0.10	X.XXX* $\pm 0.5^{\circ}$								

1 2 3 4 5 6 7 8