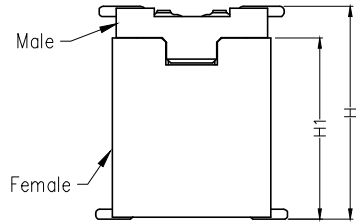
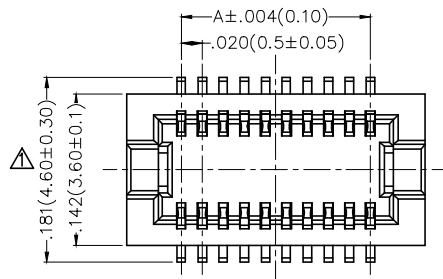


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update dimensions and tolerances	19/JUL/24	MATT	LEO

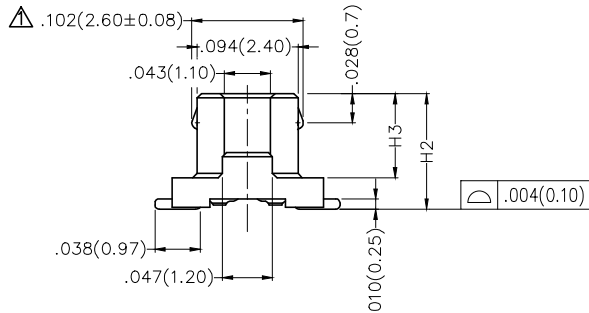


ASSEMBLY

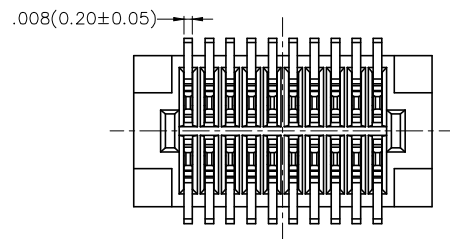
SPECIFICATIONS

Electrical
 Current Rating: 0.5A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 50 mΩ Max.
 Insulation Resistance: 100 MΩ Min.
 Withstanding Voltage: 200V AC r.m.s
 Temperature Range—Operating: -40°C~+85°C

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



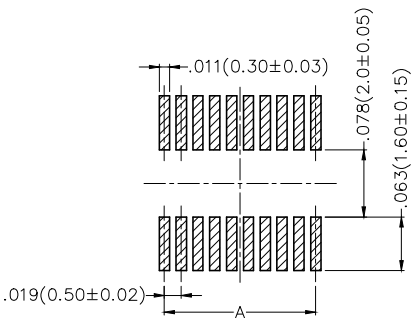
Dimensions(in/mm)			
Height H	Female H1	Male H2	Male H3
.118(3.00)	.093(2.35)	.087(2.20)	.057(1.45)
.197(5.00)	.171(4.35)	.108(2.75)	.079(2.00)



Ordering Information

FBB 050 08 — M XX S 1 XX 3 XX M HXX — A
 1 2 3 4 5 6 7 8 9 10 11 12 13

1 Category FBB—Board to Board	2 Series Number 050—Pitch0.50mm	3 Distinction No. 08	4 Type M—Male	5 Circuits XX	6 Entry Angle S—180° Vertical	7 Plating 1—Gold Plated
8 Thickness of Plating 01—1u" 03—3u" Custom plate available	9 Material—Resin 3—LCP	10 Color—Resin W5—Natural K6—Black	11 Packaging M—Reel	12 Male height H22—H2=2.20mm H28—H2=2.75mm	13 Type A—Without Peg	



Recommended P.C.Board Layout
 General Tolerances: ±.002(0.05)

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 02/DEC/22	PART NO. FBB05008-MXXS1XX3XXMHXX-A	TEM NO. FBB05008	
	X ±.012(0.30)	X' ±5'	CHECKED BY CHERRY	DATE 02/DEC/22	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		
DESIGN UNITS Inch (metric)	X.XX ±.008(0.20)	.X' ±2'	DRAWN BY MATT	DATE 02/DEC/22	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 1 SHEET NO. 1/3

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B



C

D

E

F

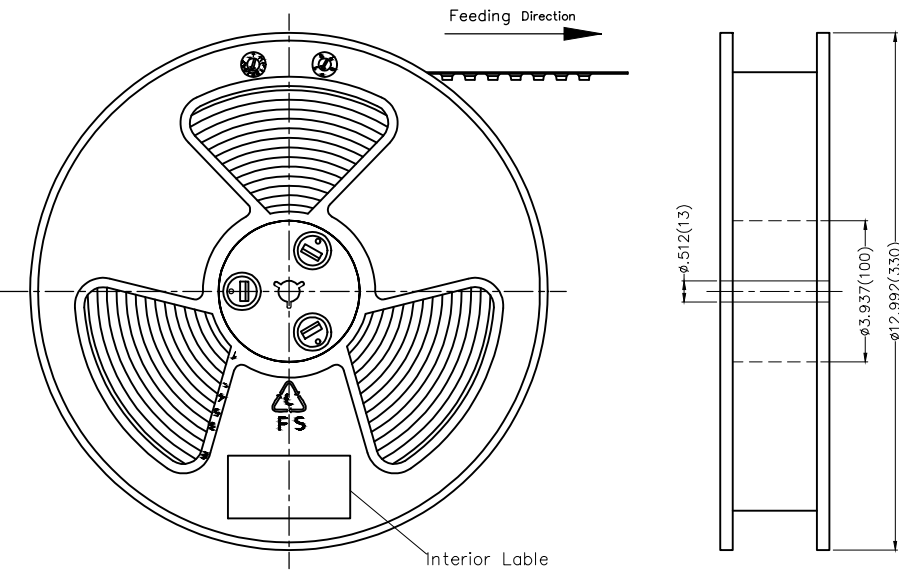
Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C
14	FBB05008-M14S1XX3XXMHXX-A	.118(3.00)	.161(4.10)	.220(5.60)
20	FBB05008-M20S1XX3XXMHXX-A	.177(4.50)	.220(5.60)	.280(7.10)
30	FBB05008-M30S1XX3XXMHXX-A	.276(7.00)	.319(8.10)	.378(9.60)
40	FBB05008-M40S1XX3XXMHXX-A	.374(9.50)	.417(10.60)	.476(12.10)
50	FBB05008-M50S1XX3XXMHXX-A	.472(12.00)	.516(13.10)	.575(14.60)
80	FBB05008-M80S1XX3XXMHXX-A	.768(19.50)	.811(20.60)	.870(22.10)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 02/DEC/22	PART NO. FBB05008-MXXS1XX3XXMHXX-A	ITEM NO. FBB05008	 Building Technology Cornerstone			
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5° .X°±2°	CHECKED BY CHERRY	DATE 02/DEC/22	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		REV 1	SHEET NO. 2/3	
	SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	DRAWN BY MATT	DATE 02/DEC/22	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

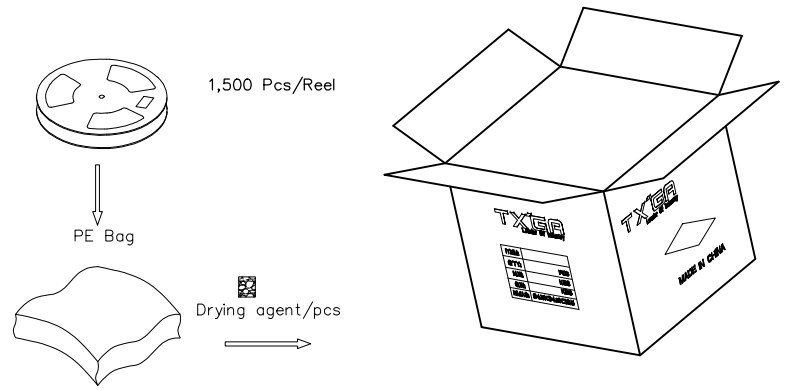
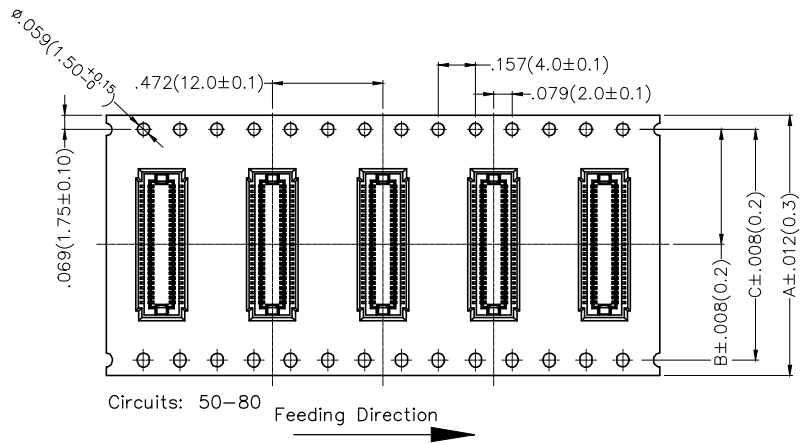
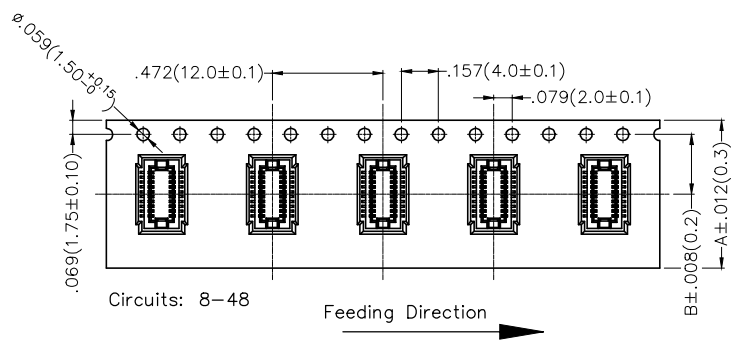
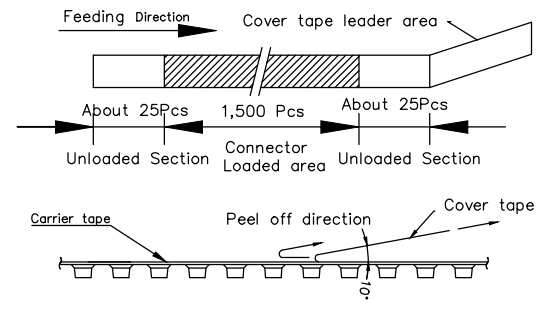
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A
B
C
D
E
F



- Note:
- 10 sprocket hole cumulative tolerance ± 0.2
 - Carrier camber is within 1.0mm in 100mm
 - Material: Black Conductive polystyrene Alloy 100% recyclable
 - All dimensions meet EIA-481-B requirements
 - Peel off force of cover tape&carrier tape: 20g~130g(0.2N~1.3N)
 - Component load per 13" reel: 1,500 pcs

Circuits (n)	Dimensions(in/mm)		
	A	B	C
8~48	.945(24.0)	.453(11.50)	-
50~78	1.260(32.0)	.561(14.25)	1.122(28.50)
80~100	1.732(44.0)	.797(20.25)	1.594(40.50)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 02/DEC/22	PART NO. FBB05008-MXXS1XX3XXMHXX-A	ITEM NO. FBB05008	 Building Technology Cornerstone
	DESIGN UNITS Inch (metric)	X. $\pm 0.12(0.30)$	X. $\pm 5^*$	CHECKED BY CHERRY	DATE 02/DEC/22	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)	
SCALE 5:1	SIZE A4	X.XX $\pm 0.06(0.15)$.XX $\pm 1^*$	DRAWN BY MATT	DATE 02/DEC/22	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 $\pm 0.04(0.10)$.XXX $\pm 0.5^*$			REV 1	SHEET NO. 3/3