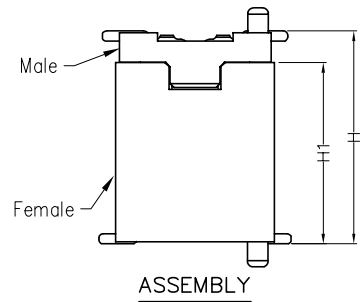
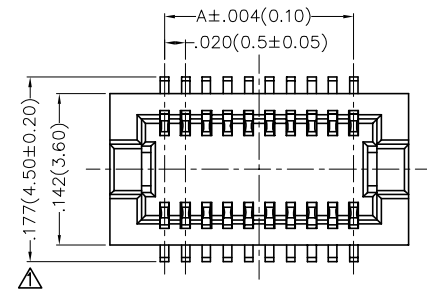
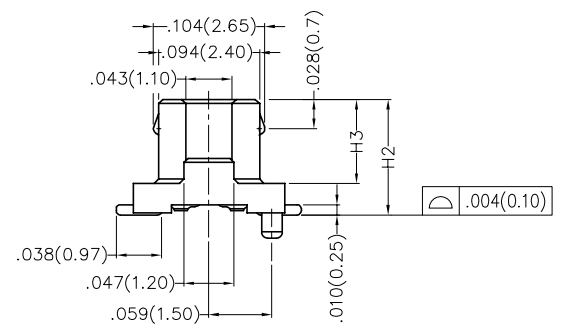
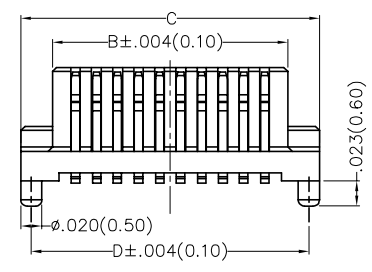


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size change	02/APR/20	KATE	CHERRY
2	△	Add packaging specifications	31/AUG/20	KATE	CHERRY
3	△	Increase selection	23/Dec/24	NICK	LEO

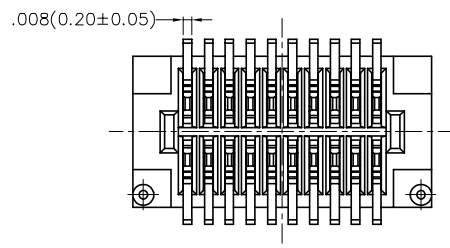


SPECIFICATIONS

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) Natural  
 Contacts: Phosphor Bronze/ Gold plated



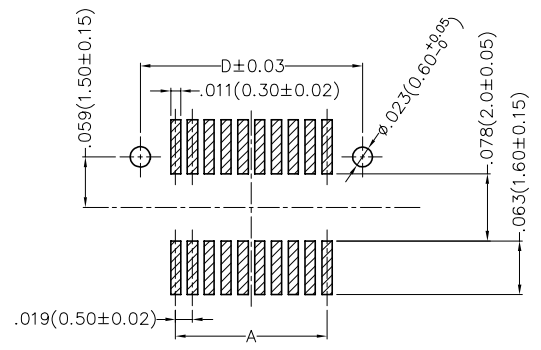
Dimensions(in/mm)			
Height H	Female H1	Male H2	Male H3
.118(3.00)	.093(2.35)	.087(2.20)	.057(1.45)
.197(5.00)	.171(4.35)	.108(2.75)	.079(2.00)




Ordering Information

FBB 050 08 — M XX S 1 XX 3 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-Pitch0.50mm	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 01-1μ" 03-3μ" Custom plate available	9 Material-Resin 3-LCP	10 Color-Resin W5-Natural	11 Packaging M-Reel	12 Male height H22-H2=2.20mm H28-H2=2.75mm



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

THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	TEM NO.	 Leader Of Industry
DESIGN UNITS Inch (metric)	X.±.012(0.30)	X:±5°	CHECKED BY	FRANK	14/AUG/19	FBB05008-MXXS1XX3W5MHXX	FBB05008	
	X.XX±.008(0.20)	.X'±2'		CHERRY	14/AUG/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		REV 3 SHEET NO. 1/3
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.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±.004(0.10)	.XXX'±0.5'	Aubrey	14/AUG/19			

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
3	△	Increase selection	23/Dec/24	NICK	LEO

A

B

C



D

E

F

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D
14	FBB05008-M14S1XX3W5MHXX	.118(3.00)	.161(4.10)	.220(5.60)	.201(5.10)
20	FBB05008-M20S1XX3W5MHXX	.177(4.50)	.220(5.60)	.280(7.10)	.260(6.60)
30	FBB05008-M30S1XX3W5MHXX	.276(7.00)	.319(8.10)	.378(9.60)	.358(9.10)
40	FBB05008-M40S1XX3W5MHXX	.374(9.50)	.417(10.60)	.476(12.10)	.457(11.60)
50	FBB05008-M50S1XX3W5MHXX	.472(12.00)	.516(13.10)	.575(14.60)	.555(14.10)
60	FBB05008-M60S1XX3W5MHXX	.571(14.50)	.614(15.60)	.673(17.10)	.654(16.60)
80	FBB05008-M80S1XX3W5MHXX	.768(19.50)	.811(20.60)	.870(22.10)	.850(21.60)

△

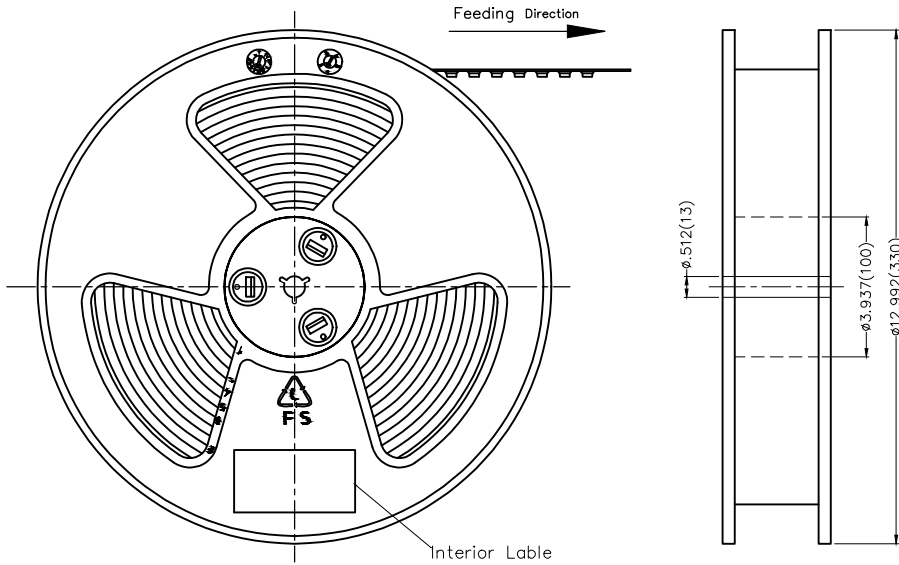
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 14/AUG/19	PART NO. FBB05008-MXXS1XX3W5MHXX	ITEM NO. FBB05008	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 14/AUG/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)			REV 3
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY Aubrey	DATE 14/AUG/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 2/3
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	X.XXX±.004(0.10)	.XXX'±0.5'		

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
3	△	Increase selection	23/Dec/24	NICK	LEO

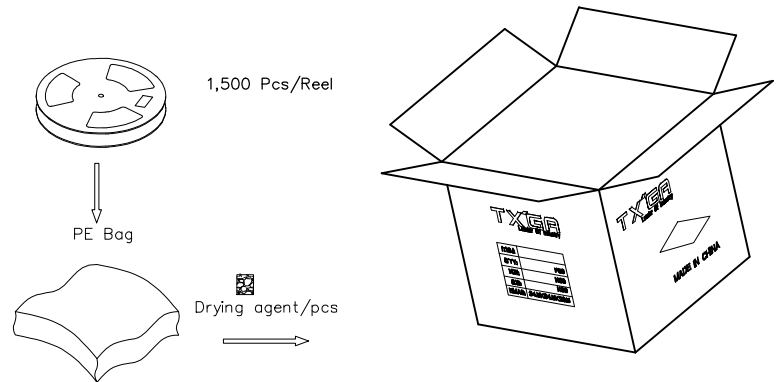
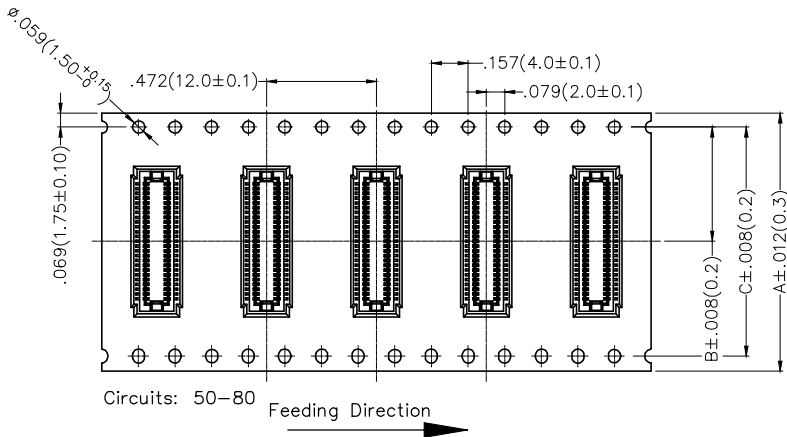
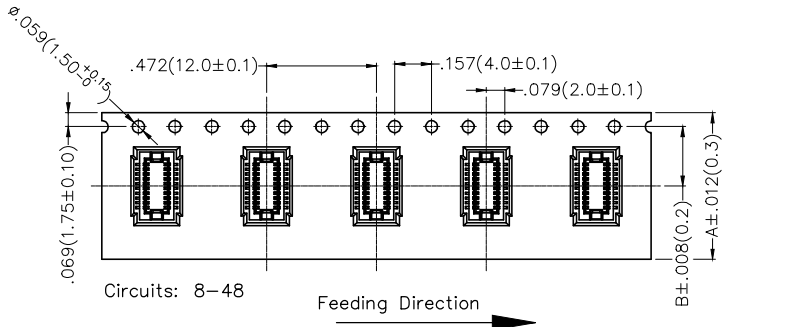
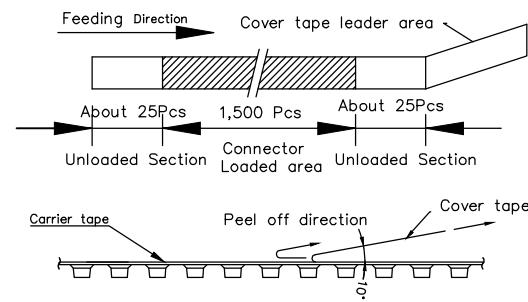
A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F



- Note:
- 10 sprocket hole cumulative tolerance  $\pm 0.2$
  - 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 14/AUG/19	PART NO. FBB05008-MXXS1XX3W5MHXX	ITEM NO. FBB05008	 Leader Of Industry
	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 14/AUG/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.'±2'	DRAWN BY Aubrey	DATE 14/AUG/19	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	X.XX±.006(0.15)	X.'±1'					
SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'					