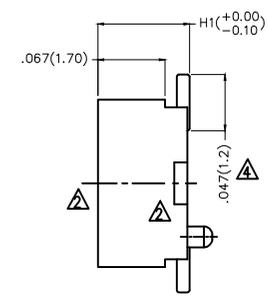
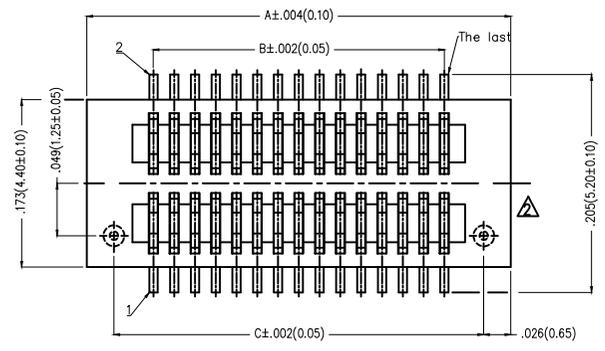
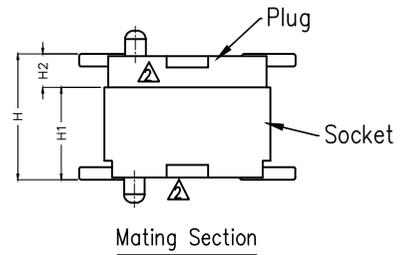
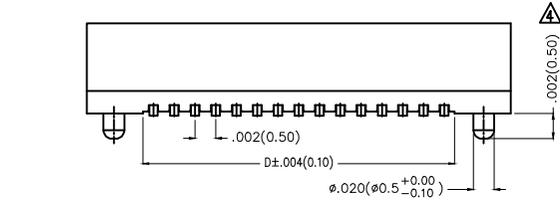


REV	LOCATIONS	DESCRIPTION	DATE	REVISOR	APPD
1	△	Part No. Change:FR-050FSS-DXX-HXX To FBB05002-FXXS1XX3XXM-HXX	29/OCT/13	JACOB	CHERRY
2	△	Structure Change	26/DEC/18	CHERRY	KATE
3		Add packaging specification	05/DEC/19	KATE	CHERRY
4	△	1.Size changes 2.Material-Resin change	05/SEP/25	Hejianpeng	CHERRY

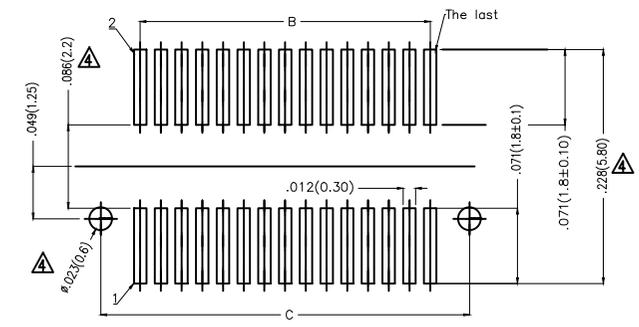


Electrical
 Current Rating: 0.5A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 40 mΩ Max
 Insulation Resistance: 100 MΩ MIN
 Withstanding Voltage: 250V AC r.m.s
 Temperature Range-Operating: -40°C~+105°C

Material and Plating
 △ Housing: PA9T(UL 94V-0)
 Contact Pin: Phosphor Bronze
 Plating: Gold Plated



Height H(in/mm)	Female H1(in/mm)	Male H2(in/mm)
.118(3.00)	.087(2.20)	.031(0.80)
.138(3.50)	.087(2.20)	.051(1.30)
.157(4.00)	.118(3.00)	.039(1.00)
.177(4.50)	.138(3.50)	.039(1.00)
.197(5.00)	.157(4.00), .118(3.00)	.039(1.00), .079(2.00)
.217(5.50)	.177(4.50)	.039(1.00)
.236(6.00)	.157(4.00)	.079(2.00)
.256(6.50)	.177(4.50)	.079(2.00)



Recommended P.C.Board Layout

Ordering Information

FBB 050 02 - F XX S 1 XX 3 XX 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.
02 | 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
03-3μ" | 9 Material-Resin
3-PA9T △ | 10 Color-Resin
K6-Black
W5-White | 11 Packaging
M-Reel | 12 Female Height
H22-2.2mm
H30-3.0mm
..... |

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 26/SEPT/13	PART NO. FBB05002-FXXS1XX3XXMHXX	TEM NO. FBB05002-F	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X'.±5' X'±2' .XX'±1" .XXX'±0.5"	CHECKED BY CHERRY	DATE 26/SEPT/13	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		REV 4
SCALE 5:1	SIZE A4	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

A

B

B

C

C

D

D

E

E

F

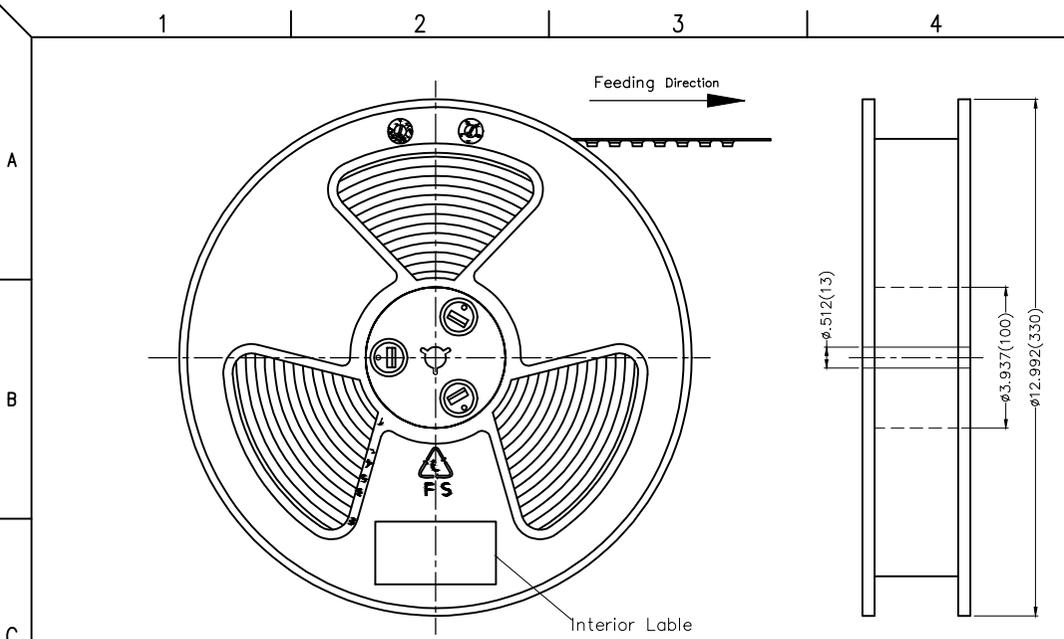
F

Circuits (n)	Part No. 	Dimensions(in/mm)				Circuits (n)	Part No. 	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
8	FBB05002-F08S1XX3XXMHXX	.185(4.70)	.059(1.50)	.134(3.40)	.079(2.00)	34	FBB05002-F34S1XX3XXMHXX	.441(11.20)	.315(8.00)	.390(9.90)	.335(8.50)
10	FBB05002-F10S1XX3XXMHXX	.205(5.20)	.079(2.00)	.154(3.90)	.098(2.50)	36	FBB05002-F36S1XX3XXMHXX	.461(11.70)	.335(8.50)	.409(10.40)	.354(9.00)
12	FBB05002-F12S1XX3XXMHXX	.224(5.70)	.098(2.50)	.173(4.40)	.118(3.00)	38	FBB05002-F38S1XX3XXMHXX	.480(12.20)	.354(9.00)	.429(10.90)	.374(9.50)
14	FBB05002-F14S1XX3XXMHXX	.244(6.20)	.118(3.00)	.193(4.90)	.138(3.50)	40	FBB05002-F40S1XX3XXMHXX	.500(12.70)	.374(9.50)	.449(11.40)	.394(10.00)
16	FBB05002-F16S1XX3XXMHXX	.264(6.70)	.138(3.50)	.213(5.40)	.157(4.00)	42	FBB05002-F42S1XX3XXMHXX	.520(13.20)	.394(10.00)	.469(11.90)	.413(10.50)
18	FBB05002-F18S1XX3XXMHXX	.283(7.20)	.157(4.00)	.232(5.90)	.177(4.50)	44	FBB05002-F44S1XX3XXMHXX	.539(13.70)	.413(10.50)	.488(12.40)	.433(11.00)
20	FBB05002-F20S1XX3XXMHXX	.303(7.70)	.177(4.50)	.252(6.40)	.197(5.00)	46	FBB05002-F46S1XX3XXMHXX	.559(14.20)	.433(11.00)	.508(12.90)	.453(11.50)
22	FBB05002-F22S1XX3XXMHXX	.323(8.20)	.197(5.00)	.272(6.90)	.217(5.50)	50	FBB05002-F50S1XX3XXMHXX	.598(15.20)	.472(12.00)	.547(13.90)	.492(12.50)
24	FBB05002-F24S1XX3XXMHXX	.343(8.70)	.217(5.50)	.291(7.40)	.236(6.00)	60	FBB05002-F60S1XX3XXMHXX	.697(17.70)	.571(14.50)	.646(16.40)	.591(15.00)
26	FBB05002-F26S1XX3XXMHXX	.362(9.20)	.236(6.00)	.311(7.90)	.256(6.50)	70	FBB05002-F70S1XX3XXMHXX	.795(20.20)	.669(17.00)	.744(18.90)	.689(17.50)
28	FBB05002-F28S1XX3XXMHXX	.382(9.70)	.256(6.50)	.331(8.40)	.276(7.00)	80	FBB05002-F80S1XX3XXMHXX	.894(22.70)	.768(19.50)	.843(21.40)	.787(20.00)
30	FBB05002-F30S1XX3XXMHXX	.402(10.20)	.276(7.00)	.350(8.90)	.295(7.50)	90	FBB05002-F90S1XX3XXMHXX	.992(25.20)	.866(22.00)	.941(23.90)	.886(22.50)
32	FBB05002-F32S1XX3XXMHXX	.421(10.70)	.295(7.50)	.370(9.40)	.315(8.00)	100	FBB05002-F100S1XX3XXMHXX	1.091(27.70)	.965(24.50)	1.039(26.40)	.984(25.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 26/SEPT/13	PART NO. FBB05002-FXXS1XX3XXMHXX	TEM NO. FBB05002-F	 Leader Of Industry		
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X.±5' X.±2' .XX±1" .XXX±0.5"	CHECKED BY CHERRY	DATE 26/SEPT/13	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		REV 4	SHEET NO. 2/3
	SCALE 5:1	SIZE A4	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				

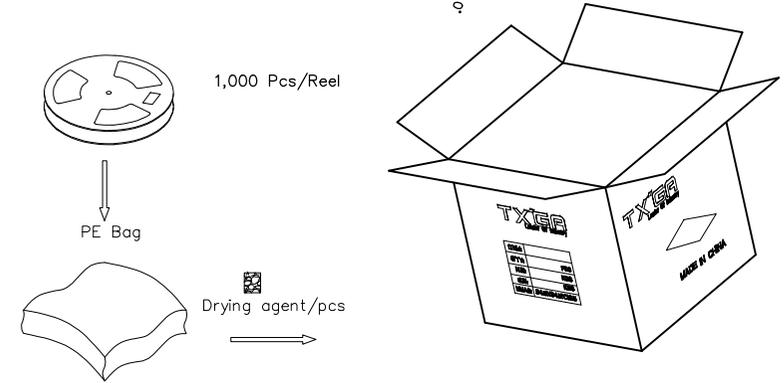
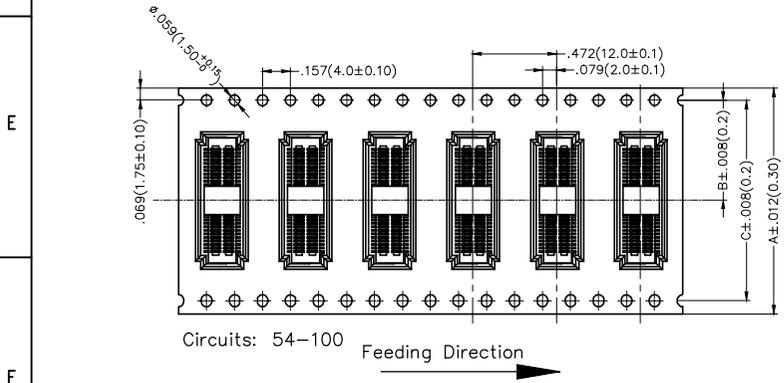
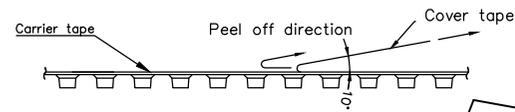
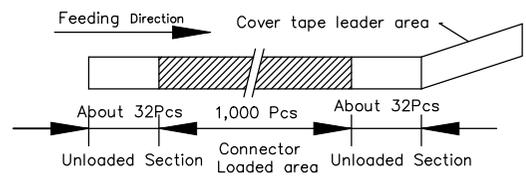
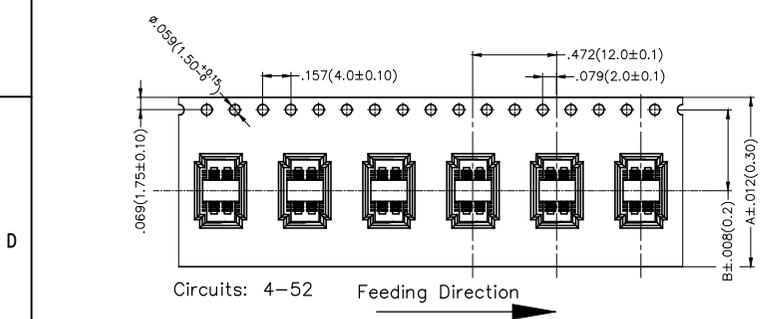
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



- 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: 1,000 pcs

Circuits (n)	Dimensions(in/mm)		
	A	B	C
4~20	.630(16.0)	.295(7.50)	—
22~52	.945(24.0)	.453(11.50)	—
54~70	1.260(32.0)	.561(14.25)	1.122(28.50)
72~100	1.732(44.0)	.797(20.25)	1.594(40.50)



 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 05/DEC/19	PART NO. FBB05002-FXXS1XX3XXMHXX	ITEM NO. FBB05002-F	 Leader of Industry
	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 05/DEC/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		
	X.XX±.008(0.20)	.X'±2'	DRAWN BY KATE	DATE 05/DEC/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. 3/3
	X.XX±.006(0.15)	.XX'±1'					
	X.XXX±.004(0.10)	.XXX'±0.5'					