

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	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

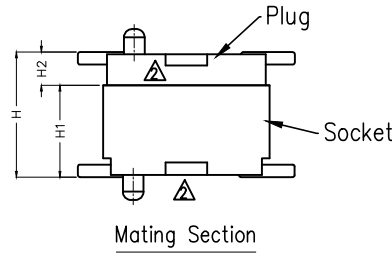
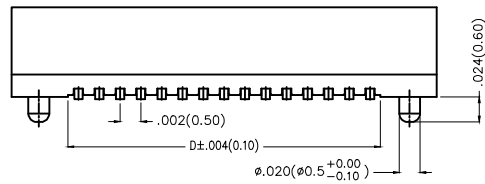
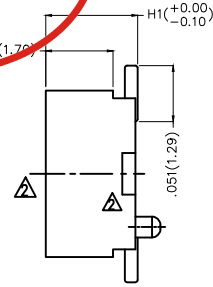
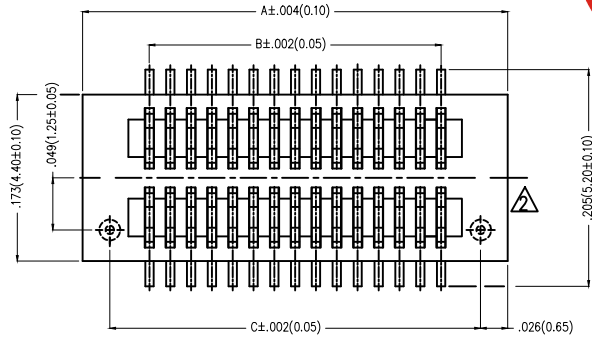


**Electrical**

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: -25°C~+85°C

**Material and Plating**

Housing: LCP( UL 94V-0)  
Contact Pin: Phosphor Bronze  
Plating: Gold Plated

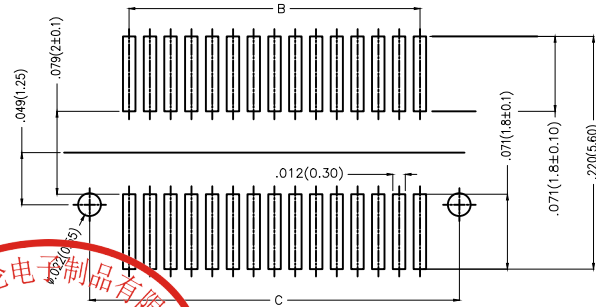


Height H(in/mm)	Female H1(in/mm)	Male H2(in/mm)
.118(3.00)	.087(2.20)	.031(0.80)
.138(3.50)	.087(2.20)	.051(1.30)
.157(4.00)	.118(3.00)	.039(1.00)
.177(4.50)	.138(3.50)	.039(1.00)
.197(5.00)	.157(4.00)	.118(3.00)
.217(5.50)	.177(4.50)	.039(1.00)
.236(6.00)	.157(4.00)	.079(2.00)
.256(6.50)	.177(4.50)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

**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-LCP	10   Color-Resin K6-Black W5-White	11   Packaging M-Reel	12   Female Height H22-2.2mm H30-3.0mm .....



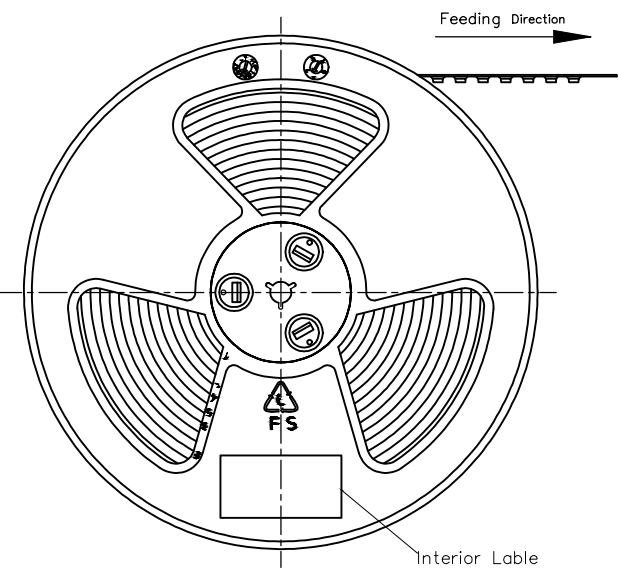
Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 26/SEPT/13	PART NO. FBB05002-FXXS1XX3XXMHXX	TEM NO. FBB05002-F	
	X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 26/SEPT/13	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)		
DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 26/SEPT/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)					



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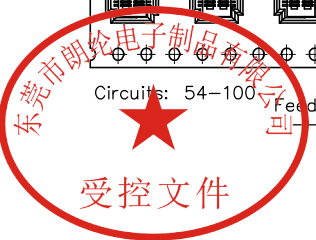
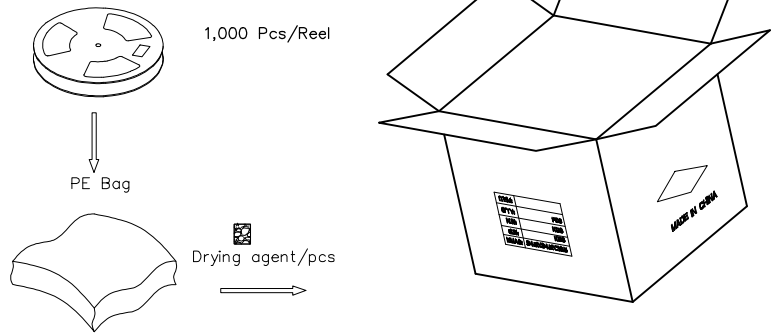
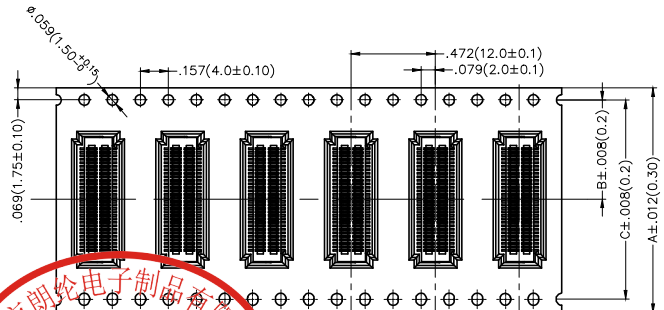
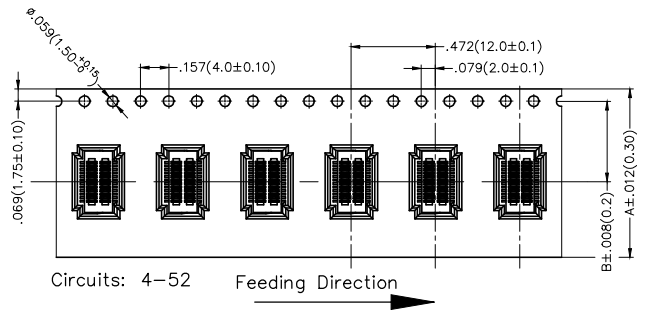
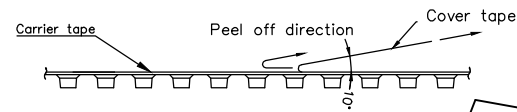
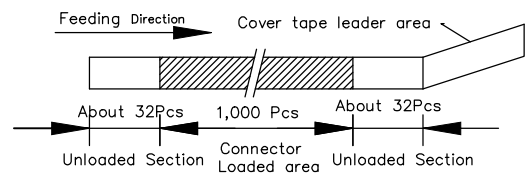
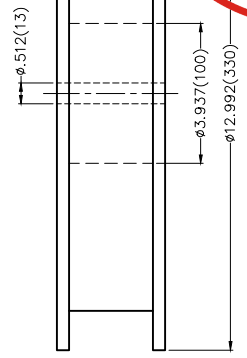
A  
B  
C  
D  
E  
F



Note:

1. 10 sprocket hole cumulative tolerance  $\pm 0.2$
2. Carrier camber is within 1.0mm in 100mm
3. Material: Black Conductive polystyrene Alloy 100% recyclable
4. All dimensions meet EIA-481-B requirements
5. Peel off force of cover tape & carrier tape: 20g~130g(0.2N~1.3N)
6. 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	 3K-KAMING® REV 3 SHEET NO. 3/3
	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 DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO., LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	X.XX±.006(0.15)	.XX'±1'					
	X.XXX±.004(0.10)	.XXX'±0.5'					