

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	▽	Part No. Change:FR-050MSS-DXX-HXX To FBB05002-MXXS1XX3XXM-HXX	29/OCT/13	JACOB	CHERRY
2	▽	Structure Change	26/DEC/18	CHERRY	KATE
3		Add packaging specification	05/DEC/19	KATE	CHERRY

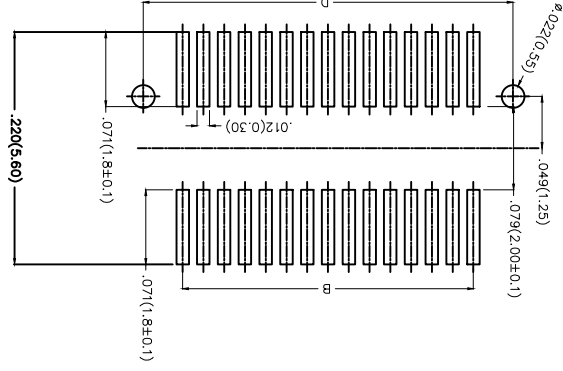
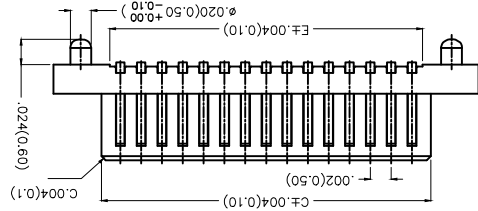
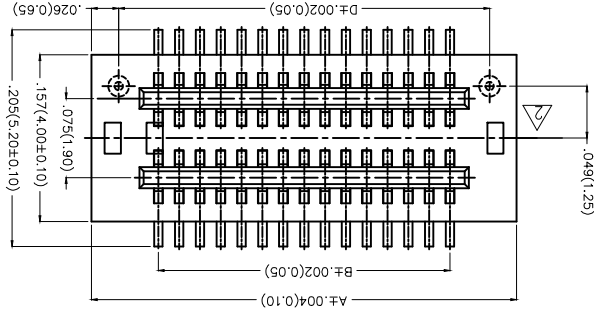
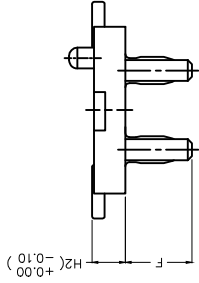
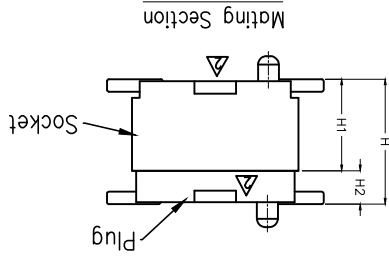
Electrical
 Current Rating: 0.5A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 40 mΩ Max
 Insulation Resistance: 100 MΩ MIN
 Withstanding Voltage: 250V AC r.m.s
 Temperature Range: -25°C~+85°C
 Material and Plating
 Housing: LCP (UL 94V-0)
 Contact Pin: Phosphor Bronze
 Plating: Gold Plated

Height H1(in/mm)	Female H1(in/mm)	Male H2(in/mm)	F(in/mm)
.118(3.00)	.087(2.20)	.031(0.80)	.063(1.60)
.157(4.00)	.118(3.00)	.051(1.30)	.063(1.60)
.177(4.50)	.138(3.50)	.039(1.00)	.075(1.90)
.197(5.00)	.157(4.00)	.039(1.00)	.075(1.90)
.217(5.50)	.177(4.50)	.039(1.00)	.075(1.90)
.236(6.00)	.157(4.00)	.079(2.00)	.075(1.90)
.256(6.50)	.177(4.50)	.079(2.00)	.075(1.90)

Ordering Information

FBB 050 02 - M 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-Pitch0.50mm
3	Distinction No.	02
4	Type	M-Male
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	10-K6-Black WS-White
11	Packaging	M-Reel
12	Male Height	H08-0.8mm H13-1.3mm



THIRD ANGLE PROJECTION	DESIGN UNITS	X.X±.012(0.30)	X.X±.008(0.20)	X.X±.006(0.15)	X.XXX±.004(0.10)	X.XXX±0.5	JACOB	DATE	26/SEP/13	6
	SCALE	A4	5:1	SIZE	A4	5:1	DESIGNED BY	CHEERRY	DATE	26/SEP/13
GENERAL TOLERANCES (UNLESS SPECIFIED)	APPROVE BY	FRANK	DATE	26/SEP/13	8	CHECKED BY	FRANK	DATE	26/SEP/13	9
	DRAWN BY	CHEERRY	DATE	26/SEP/13	10	PART NO.	FBB05002-MXXS1XX3XXMHHXX	ITEM NO.	FBB05002-M	11
										12
										13
										14
										15
										16
										17
										18



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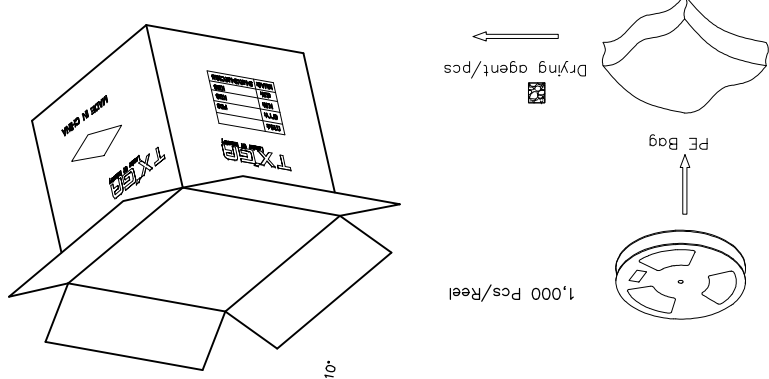
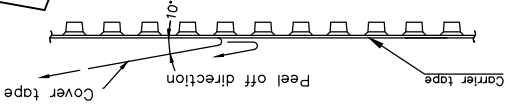
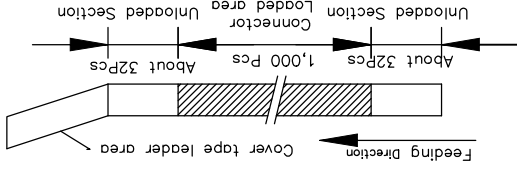
Board to Board Pitch 0.5mm 180° Vertical (SMT)
 REV 3 SHEET NO. 1/3

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

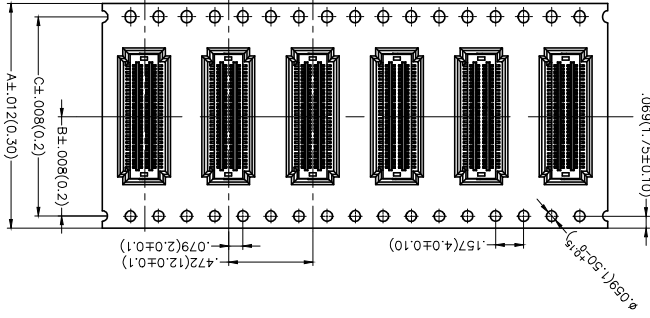
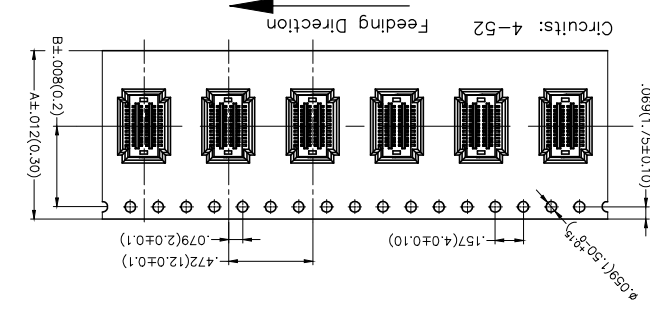
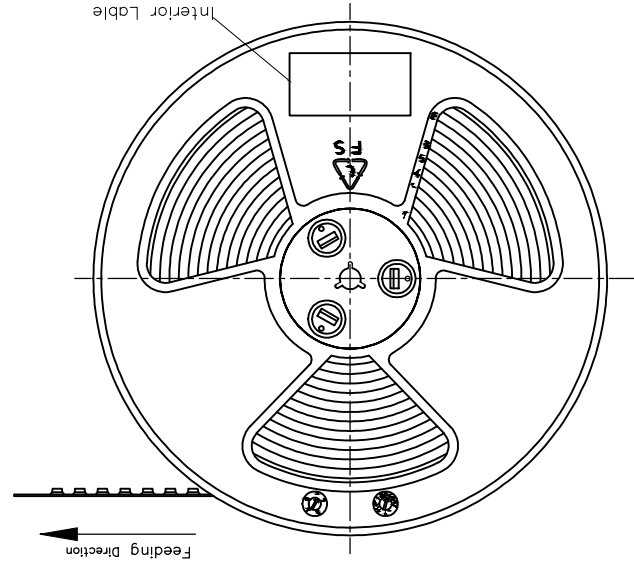
Note:

- 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	A	B
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)	1,594(40.50)
72~100	1,732(44.0)	797(20.25)	1,594(40.50)	—



THIRD ANGLE PROJECTION		DESIGN UNITS		SCALE	
○	▽	X.±.012(0.30)	Inch (metric)	5:1	A4
GENERAL TOLERANCES (UNLESS SPECIFIED)		X.±.008(0.20)	X.±.2	X.XX±.006(0.15)	X.XX±.1
APPROVE BY	DATE	CHECKED BY	DATE	DRAWN BY	DATE
FRANK	05/DEC/19	X.F5	05/DEC/19	KATE	05/DEC/19
PART NO.	ITEM NO.	TITLE			
FBB05002-MXXS1XX3XXMHXX	FBB05002-M	Board to Board Pitch 0.5mm 180° Vertical (SMT)			
LEADER OF INDUSTRY		REV 3		SHEET NO. 3/3	
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