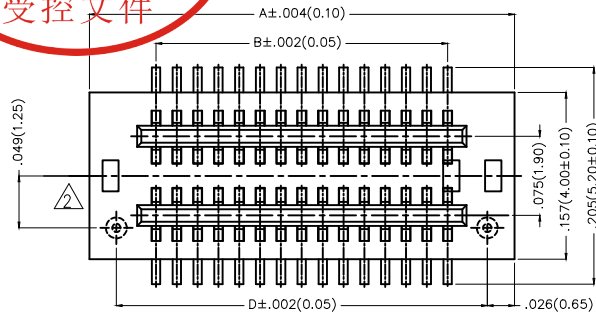
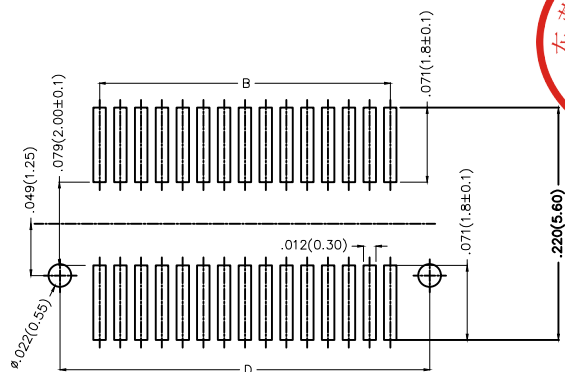


Mating Section



Recommended P.C.Board Layout

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-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)		F(in/mm)
.118(3.00)	.087(2.20)		.031(0.80)		.063(1.60)
.138(3.50)	.087(2.20)		.051(1.30)		.063(1.60)
.157(4.00)	.118(3.00)		.039(1.00)		.075(1.90)
.177(4.50)	.138(3.50)		.039(1.00)		.075(1.90)
.197(5.00)	.157(4.00)	.118(3.00)	.039(1.00)	.079(2.00)	.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 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-Pitch0.50mm	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 K6-Black W5-White	11 Packaging M-Reel	12 Male Height H08-0.8mm H13-1.3mm

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	TEM NO.	 3K-KAMING	
	X.±.012(0.30)	X.±5°	FRANK	26/SEPT/13	FBB05002-MXXS1XX3XXMHXX	FBB05002-M		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X°±2°	CHECKED BY CHERRY	DATE 26/SEPT/13	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)	X.X°±1°	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		
		X.XXX±.004(0.10)	.XXX°±0.5°					

