

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	▲	1. Add dimensions 2. Structure change	03/JUN/20	KATE	CHERRY
2	▲	Structure change	20/SEP/23	MATT	LEO

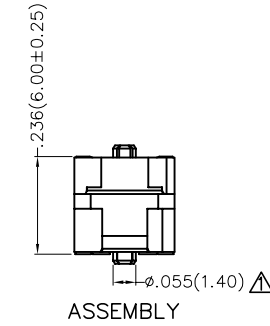
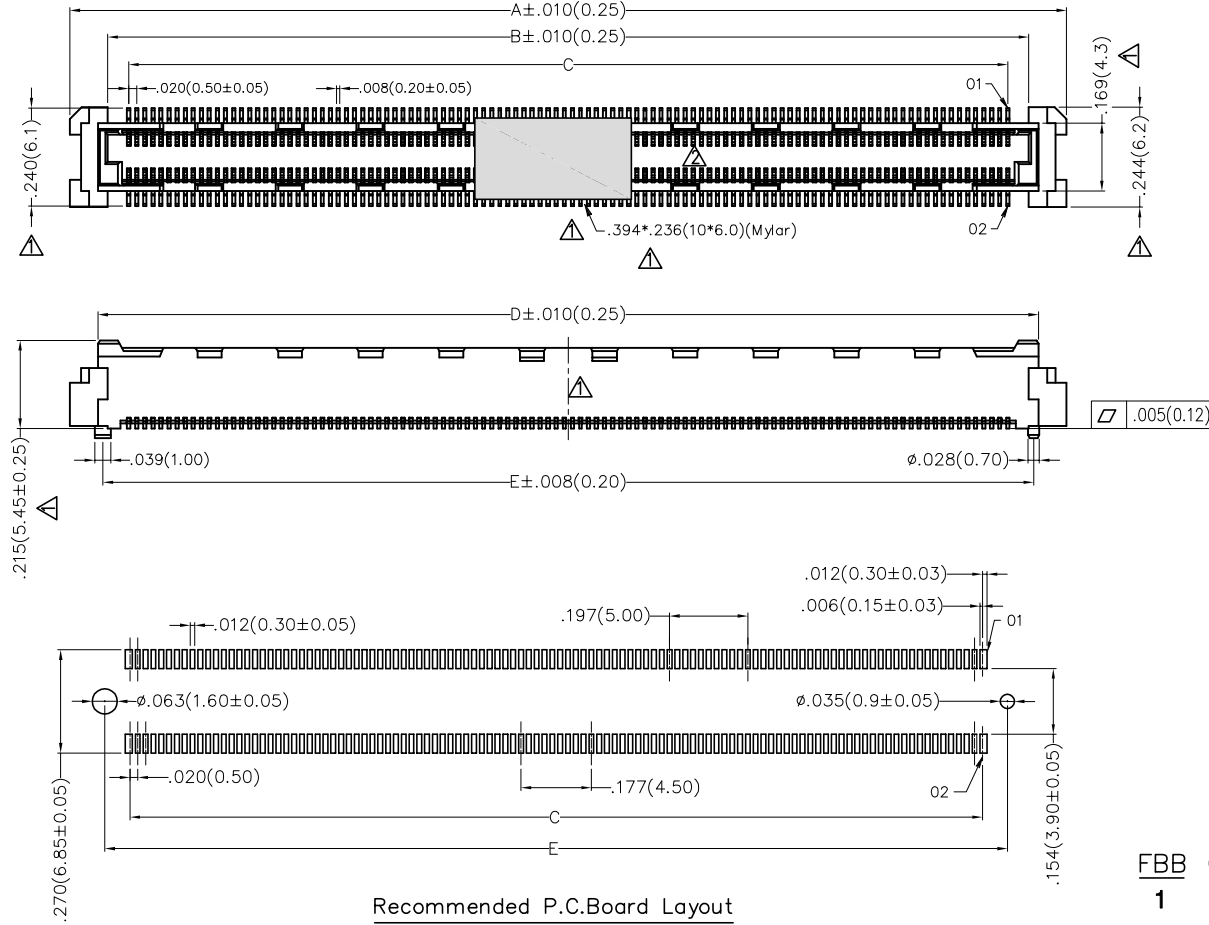
SPECIFICATIONS

Electrical

Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 55 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) Black
Contacts: Phosphor Bronze/ Selective gold in contact area, tin on tail



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

Ordering Information

FBB 050 09 — F XXX S 3 XX 3 K6 M
1 2 3 4 5 6 7 8 9 10 11

1 Category FBB—Board to Board	2 Series Number 050—Pitch0.50mm	3 Distinction No. 09	4 Type F—Female	5 Circuits XXX	6 Entry Angle S—180° Vertical
7 Plating 3—Selective gold in contact area, tin on tail	8 Thickness of Plating 01—1μ" 03—3μ" Custom plate available	9 Material—Resin 3—LCP	10 Color—Resin K6—Black	11 Packaging M—Reel	

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/AUG/19	PART NO. FBB05009—FXXXS3XX3K6M	ITEM NO. FBB05009	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 19/AUG/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)			REV 2
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY Aubrey	DATE 19/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	SIZE A4	X.XX±.006(0.15)						
		X.XXX±.004(0.10)						

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)				
		A	B	C	D	E
80	FBB05009-F80S3XX3K6M	1.055(26.80)	.870(22.10)	.870(19.50)	.917(23.30)	.894(22.70)
100	FBB05009-F100S3XX3K6M	1.252(31.80)	1.067(27.10)	.965(24.50)	1.114(28.30)	1.091(27.70)
120	FBB05009-F120S3XX3K6M	1.449(36.80)	1.264(32.10)	1.161(29.50)	1.311(33.30)	1.287(32.70)
140	FBB05009-F140S3XX3K6M	1.646(41.80)	1.461(37.10)	1.358(34.50)	1.508(38.30)	1.484(37.70)
144	FBB05009-F144S3XX3K6M	1.685(42.80)	1.500(38.10)	1.398(35.50)	1.547(39.30)	1.524(38.70)
168	FBB05009-F168S3XX3K6M	1.921(48.80)	1.736(44.10)	1.634(41.50)	1.783(45.30)	1.760(44.70)
220	FBB05009-F220S3XX3K6M	2.433(61.80)	2.248(57.10)	2.146(54.50)	2.295(58.30)	2.272(57.70)

A

B

C

D

E

F

A

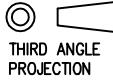

B

C

D

E

F

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/AUG/19	PART NO. FBB05009-FXXXS3XX3K6M	ITEM NO. FBB05009	 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 19/AUG/19	TITLE Board to Board Pitch 0.5mm 180° Vertical (SMT)	
SCALE 5:1	SIZE A4	DRAWN BY Aubrey		DATE 19/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		REV 2 SHEET NO. 2/2

1 2 3 4 5 6 7 8