

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

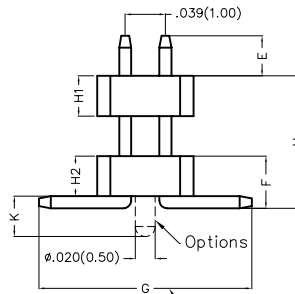
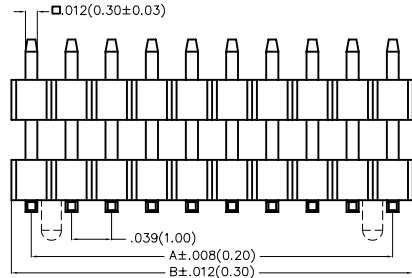
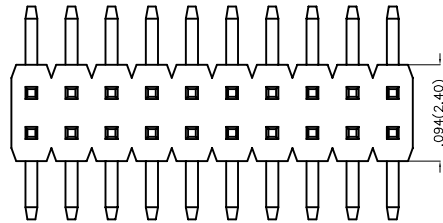
SPECIFICATIONS

Electrical

Current Rating: 1.0A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 1000 MΩ Min
Withstanding Voltage: 300V AC r.m.s
Temperature Range-Operating: -40°C~+105°C

Material

Housing: Glass Filled Polyester (UL 94V-0), Color: Black
Pin: Brass
Pin Plating: Gold plated/ Selective gold in contact area, tin on tail

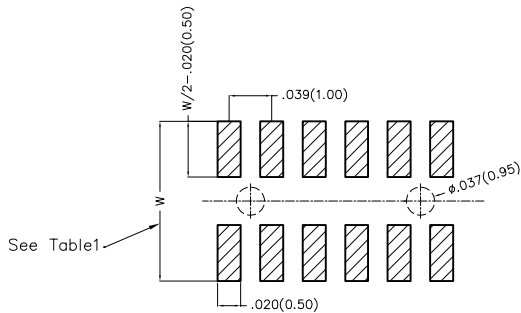


See Table1

Ordering Information

FPH	100	F2	D	XX	S	X	XX	4	XX	M	X
1	2	3	4	5	6	7	8	9	10	11	12

1 <u>Category</u> FPH-Pin Header	2 <u>Series Number</u> 100-Pitch1.00mm	3 <u>Distinction No.</u> F2	4 <u>Row Option</u> D-Double Row	5 <u>Circuits</u> XX	6 <u>Entry Angle</u> S-180° Vertical
7 <u>Plating</u> 1-Gold plated 3-Selective gold in contact area, tin on tail	8 <u>Thickness of Plating</u> 01-1μ" 15-15μ" Custom plate available	9 <u>Material-Resin</u> 4-PA6T	10 <u>Size</u> 01,02... -Serial number (See Table1) Custom length available	11 <u>Packaging</u> M-Reel	12 <u>Type</u> A-W/O Column B-With Column



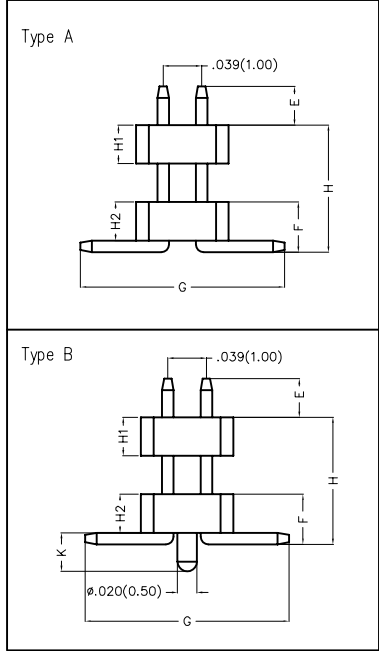
Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FPH100F2-DXXSXX4XXMX	ITEM NO. FPH100F2	 TXGA Leader Of Industry	
	X.±.012(0.30)	.X'±5'	CHECKED BY CHERRY	DATE 25/JUN/13	TITLE Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(SMT)			REV 0
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 25/JUN/13	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)	.XX'±1'	X.XXX±.004(0.10)	.XX'±0.5'			

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Table1

Serial number	Dimensions(in/mm)								Type	Canceled Circuits	Note
	E	F	G	H	H1	H2	K	W			
01	.079(2.00)	.055(1.40)	.205(5.20)	.343(8.70)	.039(1.00)	.039(1.00)	.039(1.00)	.220(5.60)	A B	—	
02	.197(5.00)	.098(2.50)	.236(6.00)	.177(4.50)	.059(1.50)	.079(2.00)	—	.252(6.40)	A	—	
03	.079(2.00)	.055(1.40)	.205(5.20)	.276(7.00)	.039(1.00)	.039(1.00)	.039(1.00)	.220(5.60)	A B	—	
04	.079(2.00)	.055(1.40)	.205(5.20)	.472(12.00)	.039(1.00)	.039(1.00)	.039(1.00)	.220(5.60)	A B	—	
05	.079(2.00)	.055(1.40)	.205(5.20)	.500(12.70)	.039(1.00)	.039(1.00)	.039(1.00)	.220(5.60)	A B	—	



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	25/JUN/13	FPH100F2-DXXSXXX4XXMX	FPH100F2	
	DESIGN UNITS	X.XX±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE	
	Inch (metric)	X.XX±.006(0.15)	.XX'±1'	CHERRY	25/JUN/13	Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(SMT)	
SCALE	SIZE	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
5:1	A4			JACOB	25/JUN/13	REV 0	SHEET NO. 2/3

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			A	B
2	FPH100F2-D02SXXX4XXMX	—	.039(1.00)	42	FPH100F2-D42SXXX4XXMX	.787(20.00)	.827(21.00)
4	FPH100F2-D04SXXX4XXMX	.039(1.00)	.079(2.00)	44	FPH100F2-D44SXXX4XXMX	.827(21.00)	.866(22.00)
6	FPH100F2-D06SXXX4XXMX	.079(2.00)	.118(3.00)	46	FPH100F2-D46SXXX4XXMX	.866(22.00)	.906(23.00)
8	FPH100F2-D08SXXX4XXMX	.118(3.00)	.157(4.00)	48	FPH100F2-D48SXXX4XXMX	.906(23.00)	.945(24.00)
10	FPH100F2-D10SXXX4XXMX	.157(4.00)	.197(5.00)	50	FPH100F2-D50SXXX4XXMX	.945(24.00)	.984(25.00)
12	FPH100F2-D12SXXX4XXMX	.197(5.00)	.236(6.00)	52	FPH100F2-D52SXXX4XXMX	.984(25.00)	1.024(26.00)
14	FPH100F2-D14SXXX4XXMX	.236(6.00)	.276(7.00)	54	FPH100F2-D54SXXX4XXMX	1.024(26.00)	1.063(27.00)
16	FPH100F2-D16SXXX4XXMX	.276(7.00)	.315(8.00)	56	FPH100F2-D56SXXX4XXMX	1.063(27.00)	1.102(28.00)
18	FPH100F2-D18SXXX4XXMX	.315(8.00)	.354(9.00)	58	FPH100F2-D58SXXX4XXMX	1.102(28.00)	1.142(29.00)
20	FPH100F2-D20SXXX4XXMX	.354(9.00)	.394(10.00)	60	FPH100F2-D60SXXX4XXMX	1.142(29.00)	1.181(30.00)
22	FPH100F2-D22SXXX4XXMX	.394(10.00)	.443(11.00)	62	FPH100F2-D62SXXX4XXMX	1.181(30.00)	1.220(31.00)
24	FPH100F2-D24SXXX4XXMX	.443(11.00)	.472(12.00)	64	FPH100F2-D64SXXX4XXMX	1.220(31.00)	1.260(32.00)
26	FPH100F2-D26SXXX4XXMX	.472(12.00)	.512(13.00)	66	FPH100F2-D66SXXX4XXMX	1.260(32.00)	1.130(33.00)
28	FPH100F2-D28SXXX4XXMX	.512(13.00)	.551(14.00)	68	FPH100F2-D68SXXX4XXMX	1.130(33.00)	1.339(34.00)
30	FPH100F2-D30SXXX4XXMX	.551(14.00)	.591(15.00)	70	FPH100F2-D70SXXX4XXMX	1.339(34.00)	1.379(35.00)
32	FPH100F2-D32SXXX4XXMX	.591(15.00)	.630(16.00)	72	FPH100F2-D72SXXX4XXMX	1.379(35.00)	1.417(36.00)
34	FPH100F2-D34SXXX4XXMX	.630(16.00)	.669(17.00)	74	FPH100F2-D74SXXX4XXMX	1.417(36.00)	1.457(37.00)
36	FPH100F2-D36SXXX4XXMX	.669(17.00)	.709(18.00)	76	FPH100F2-D76SXXX4XXMX	1.457(37.00)	1.497(38.00)
38	FPH100F2-D38SXXX4XXMX	.709(18.00)	.748(19.00)	78	FPH100F2-D78SXXX4XXMX	1.497(38.00)	1.535(39.00)
40	FPH100F2-D40SXXX4XXMX	.748(19.00)	.787(20.00)	80	FPH100F2-D80SXXX4XXMX	1.535(39.00)	1.575(40.00)

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	X.XX±.006(0.15)	.XX'±1'						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'					

1 2 3 4 5 6 7 8