

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

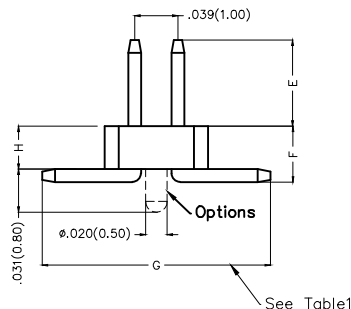
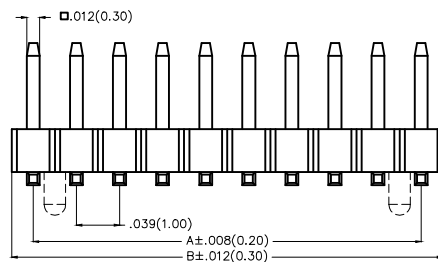
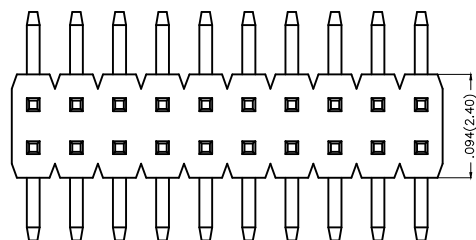
SPECIFICATIONS

Electrical

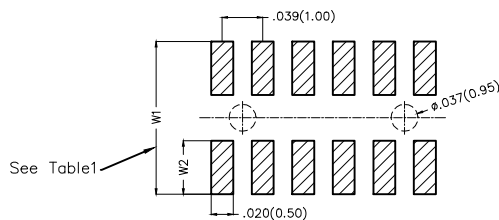
Current Rating: 1.0A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 1000 MΩ Min
Withstanding Voltage: 300V AC r.m.s
Temperature Range—Operating: -40°C~+105°C

Material

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



See Table1



Recommended P.C.Board Layout

Ordering Information

FPH 100 S2 — D XX S X XX 4 XX M
1 2 3 4 5 6 7 8 9 10 11

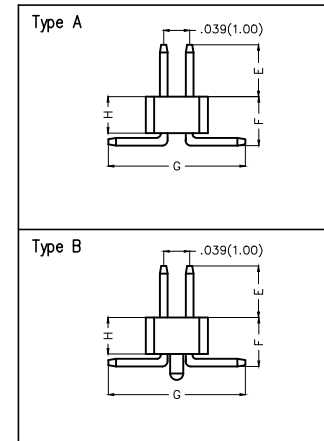
1 Category FPH—Pin Header	2 Series Number 100—Pitch1.00mm	3 Distinction No. S2	4 Row Option D—Double Row	5 Circuits XX	6 Entry Angle S—180° Vertical
7 Plating 1—Gold plated 3—Selective gold in contact area, bright tin on tail	8 Thickness of Plating 01—1μ" 15—15μ" Custom plate available	9 Material—Resin 4—PA6T	10 Size 01,02... —Serial number (See Table1) Custom length available	11 Packaging M—Reel	

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FPH100S2—DXXSXXX4XXM	ITEM NO. FPH100S2	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5° .X±2°	CHECKED BY CHERRY	DATE 25/JUN/13	TITLE Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(SMT)		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX±1° .XXX±0.5°	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		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1



Serial number	Dimensions(in/mm)						Canceled Circuits	Note
	E	F	G	H	W1	W2		
01	.079(2.00)	.055(1.40)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	With Column (Type B)
02	.079(1.80)	.055(1.40)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	Without Column (Type A)
03								
04	.079(1.80)	.055(1.40)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	With Column (Type B)
05	.157(4.00)	.071(1.80)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	With Column (Type B)
06	.134(3.40)	.055(1.40)	.177(4.50)	.039(1.00)	.193(4.90)	.087(2.20)	—	Without Column (Type A)
07	.094(2.40)	.055(1.40)	.177(4.50)	.039(1.00)	.193(4.90)	.087(2.20)	—	Without Column (Type A)
08	.236(6.00)	.055(1.40)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	Without Column (Type A)
09	.315(8.00)	.055(1.40)	.205(5.20)	.039(1.00)	.220(5.60)	.100(2.55)	—	Without Column (Type A)



 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	FPH100S2-DXXSXXX4XXM	FPH100S2	
DESIGN UNITS	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		REV 0 SHEET NO. 2/3
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	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			JACOB	25/JUN/13			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FPH100S2-D02SXXX4XXM	—	.039(1.00)	42	FPH100S2-D42SXXX4XXM	.787(20.00)	.827(21.00)
4	FPH100S2-D04SXXX4XXM	.039(1.00)	.079(2.00)	44	FPH100S2-D44SXXX4XXM	.827(21.00)	.866(22.00)
6	FPH100S2-D06SXXX4XXM	.079(2.00)	.118(3.00)	46	FPH100S2-D46SXXX4XXM	.866(22.00)	.906(23.00)
8	FPH100S2-D08SXXX4XXM	.118(3.00)	.157(4.00)	48	FPH100S2-D48SXXX4XXM	.906(23.00)	.945(24.00)
10	FPH100S2-D10SXXX4XXM	.157(4.00)	.197(5.00)	50	FPH100S2-D50SXXX4XXM	.945(24.00)	.984(25.00)
12	FPH100S2-D12SXXX4XXM	.197(5.00)	.236(6.00)	52	FPH100S2-D52SXXX4XXM	.984(25.00)	1.024(26.00)
14	FPH100S2-D14SXXX4XXM	.236(6.00)	.276(7.00)	54	FPH100S2-D54SXXX4XXM	1.024(26.00)	1.063(27.00)
16	FPH100S2-D16SXXX4XXM	.276(7.00)	.315(8.00)	56	FPH100S2-D56SXXX4XXM	1.063(27.00)	1.102(28.00)
18	FPH100S2-D18SXXX4XXM	.315(8.00)	.354(9.00)	58	FPH100S2-D58SXXX4XXM	1.102(28.00)	1.142(29.00)
20	FPH100S2-D20SXXX4XXM	.354(9.00)	.394(10.00)	60	FPH100S2-D60SXXX4XXM	1.142(29.00)	1.181(30.00)
22	FPH100S2-D22SXXX4XXM	.394(10.00)	.443(11.00)	62	FPH100S2-D62SXXX4XXM	1.181(30.00)	1.220(31.00)
24	FPH100S2-D24SXXX4XXM	.443(11.00)	.472(12.00)	64	FPH100S2-D64SXXX4XXM	1.220(31.00)	1.260(32.00)
26	FPH100S2-D26SXXX4XXM	.472(12.00)	.512(13.00)	66	FPH100S2-D66SXXX4XXM	1.260(32.00)	1.130(33.00)
28	FPH100S2-D28SXXX4XXM	.512(13.00)	.551(14.00)	68	FPH100S2-D68SXXX4XXM	1.130(33.00)	1.339(34.00)
30	FPH100S2-D30SXXX4XXM	.551(14.00)	.591(15.00)	70	FPH100S2-D70SXXX4XXM	1.339(34.00)	1.379(35.00)
32	FPH100S2-D32SXXX4XXM	.591(15.00)	.630(16.00)	72	FPH100S2-D72SXXX4XXM	1.379(35.00)	1.417(36.00)
34	FPH100S2-D34SXXX4XXM	.630(16.00)	.669(17.00)	74	FPH100S2-D74SXXX4XXM	1.417(36.00)	1.457(37.00)
36	FPH100S2-D36SXXX4XXM	.669(17.00)	.709(18.00)	76	FPH100S2-D76SXXX4XXM	1.457(37.00)	1.497(38.00)
38	FPH100S2-D38SXXX4XXM	.709(18.00)	.748(19.00)	78	FPH100S2-D78SXXX4XXM	1.497(38.00)	1.535(39.00)
40	FPH100S2-D40SXXX4XXM	.748(19.00)	.787(20.00)	80	FPH100S2-D80SXXX4XXM	1.535(39.00)	1.575(40.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FPH100S2-DXXSXXX4XXM	ITEM NO. FPH100S2	 Leader Of Industry	
	X.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.XX±.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)	X'±1'					
		X.XXX±.004(0.10)	X'±0.5'					