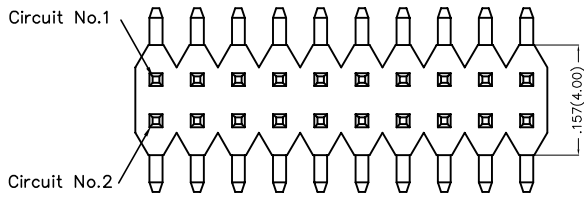


Dimensions(in/mm)	
H	F
.039(1.00)	.059(1.50)~.069(1.75)
.059(1.50)	.079(2.00)~.089(2.25)
.079(2.00)	≥.098(2.50)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Structure of Housing change	08/MAR/23	MATT	KATE



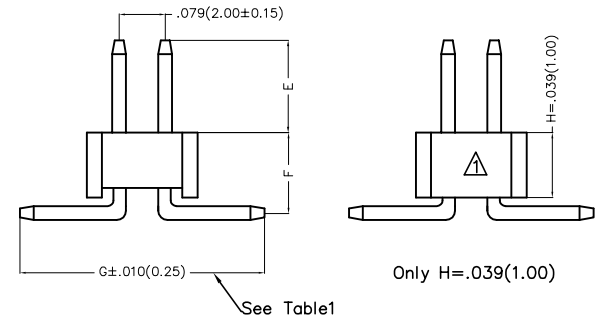
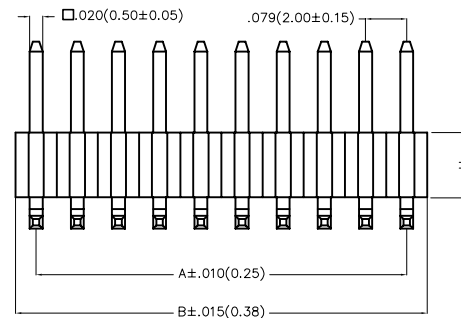
**SPECIFICATIONS**

**Electrical**

- Current Rating: 2.0A AC(rms)/DC
- Voltage Rating: 250V AC(rms)/DC
- Contact Resistance: 20 mΩ Max
- Insulation Resistance: 1000 MΩ Min
- Withstanding Voltage: 600V AC r.m.s
- Temperature Range-Operating: -40°C~+105°C

**Material**

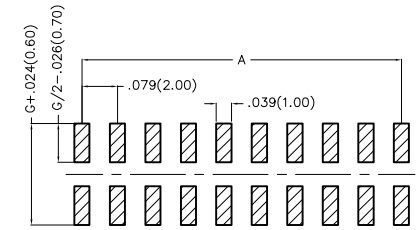
- Housing: Glass Filled Polyester (UL 94V-0), Color: Black
- Pin: Brass
- Pin Plating: Gold plated/ Selective gold plated on contact area and 120μm Min. matte tin plated on tails area



**Ordering Information**


FPH 200 69 - D XX S X XX 4 XX XX XX X  
 1 2 3 4 5 6 7 8 9 10 11 12 13

Category	2 Series Number	3 Distinction No.	4 Row Option	5 Circuits	6 Entry Angle	7 Plating
FPH-Pin Header	200-Pitch2.00mm	69	D-Double Row	XX	S-180° Vertical	1-Gold plated 7-Selective gold plated on contact area and matte tin plated on tails area



Recommended P.C.Board Layout

8 Thickness of Plating	9 Material-Resin	10 E Size	11 F Size	12 G Size	13 Packaging
01-1μ" 15-15μ" Custom plate available	4-PA6T	01,02...-Serial number (See Table1)	01,02...-Serial number (See Table1)	01,02...-Serial number (See Table1)	M-Reel L-Tube

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	23/DEC/19	FPH20069-DXXSXXX4XXXXXXX	FPH20069	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE	REV 1 SHEET NO. 1/3	
SCALE 5:1	X.XX±.006(0.15)	.XX'±1'	CHERRY	23/DEC/19	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
SIZE A4	X.XXX±.004(0.10)	.XXX±0.5'	DRAWN BY	DATE			
			ZOEY	23/DEC/19			

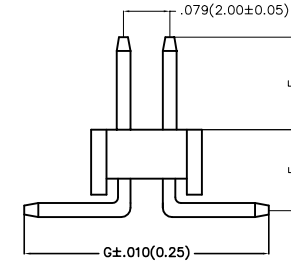
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions (in/mm) E	Serial number	Dimensions (in/mm) E
01	.059(1.50)	19	.236(6.00)
02	.069(1.75)	20	.246(6.25)
03	.079(2.00)	21	.256(6.50)
04	.089(2.25)	22	.266(6.75)
05	.098(2.50)	23	.276(7.00)
06	.108(2.75)	24	.285(7.25)
07	.118(3.00)	25	.295(7.50)
08	.128(3.25)	26	.305(7.75)
09	.138(3.50)	27	.315(8.00)
10	.148(3.75)	28	.325(8.25)
11	.157(4.00)	29	.335(8.50)
12	.167(4.25)	30	.344(8.75)
13	.177(4.50)	31	.354(9.00)
14	.187(4.75)	32	.364(9.25)
15	.197(5.00)	33	.374(9.50)
16	.207(5.25)	34	.384(9.75)
17	.217(5.50)	35	.394(10.00)
18	.226(5.75)		

Serial number	Dimensions (in/mm) F	Serial number	Dimensions (in/mm) F
01	.059(1.50)	19	.236(6.00)
02	.069(1.75)	20	.246(6.25)
03	.079(2.00)	21	.256(6.50)
04	.089(2.25)	22	.266(6.75)
05	.098(2.50)	23	.276(7.00)
06	.108(2.75)	24	.285(7.25)
07	.118(3.00)	25	.295(7.50)
08	.128(3.25)	26	.305(7.75)
09	.138(3.50)	27	.315(8.00)
10	.148(3.75)	28	.325(8.25)
11	.157(4.00)	29	.335(8.50)
12	.167(4.25)	30	.344(8.75)
13	.177(4.50)	31	.354(9.00)
14	.187(4.75)	32	.364(9.25)
15	.197(5.00)	33	.374(9.50)
16	.207(5.25)	34	.384(9.75)
17	.217(5.50)	35	.394(10.00)
18	.226(5.75)		



Serial number	Dimensions (in/mm) G
05	.217(5.50)
06	.226(5.75)
07	.236(6.00)
08	.246(6.25)
09	.256(6.50)
10	.266(6.75)
11	.276(7.00)
12	.285(7.25)
13	.295(7.50)
14	.305(7.75)
15	.315(8.00)
16	.325(8.25)
17	.335(8.50)
18	.344(8.75)
19	.354(9.00)
20	.364(9.25)
21	.374(9.50)
22	.384(9.75)
23	.394(10.00)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20069-DXXSXXX4XXXXXXX	ITEM NO. FPH20069	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)			REV 1
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 23/DEC/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)	.XX'±1'				
		X.XXX±.004(0.10)	.XXX'±0.5'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
4	FPH20069-D04SXXX4XXXXXXXX	.079(2.00)	.157(4.00)	44	FPH20069-D44SXXX4XXXXXXXX	1.654(42.00)	1.732(44.00)
6	FPH20069-D06SXXX4XXXXXXXX	.157(4.00)	.236(6.00)	46	FPH20069-D46SXXX4XXXXXXXX	1.732(44.00)	1.811(46.00)
8	FPH20069-D08SXXX4XXXXXXXX	.236(6.00)	.315(8.00)	48	FPH20069-D48SXXX4XXXXXXXX	1.811(46.00)	1.890(48.00)
10	FPH20069-D10SXXX4XXXXXXXX	.315(8.00)	.394(10.00)	50	FPH20069-D50SXXX4XXXXXXXX	1.890(48.00)	1.969(50.00)
12	FPH20069-D12SXXX4XXXXXXXX	.394(10.00)	.472(12.00)	52	FPH20069-D52SXXX4XXXXXXXX	1.969(50.00)	2.047(52.00)
14	FPH20069-D14SXXX4XXXXXXXX	.472(12.00)	.551(14.00)	54	FPH20069-D54SXXX4XXXXXXXX	2.047(52.00)	2.126(54.00)
16	FPH20069-D16SXXX4XXXXXXXX	.551(14.00)	.630(16.00)	56	FPH20069-D56SXXX4XXXXXXXX	2.126(54.00)	2.205(56.00)
18	FPH20069-D18SXXX4XXXXXXXX	.630(16.00)	.709(18.00)	58	FPH20069-D58SXXX4XXXXXXXX	2.205(56.00)	2.283(58.00)
20	FPH20069-D20SXXX4XXXXXXXX	.709(18.00)	.787(20.00)	60	FPH20069-D60SXXX4XXXXXXXX	2.283(58.00)	2.362(60.00)
22	FPH20069-D22SXXX4XXXXXXXX	.787(20.00)	.866(22.00)	62	FPH20069-D62SXXX4XXXXXXXX	2.362(60.00)	2.441(62.00)
24	FPH20069-D24SXXX4XXXXXXXX	.866(22.00)	.945(24.00)	64	FPH20069-D64SXXX4XXXXXXXX	2.441(62.00)	2.520(64.00)
26	FPH20069-D26SXXX4XXXXXXXX	.945(24.00)	1.024(26.00)	66	FPH20069-D66SXXX4XXXXXXXX	2.520(64.00)	2.598(66.00)
28	FPH20069-D28SXXX4XXXXXXXX	1.024(26.00)	1.102(28.00)	68	FPH20069-D68SXXX4XXXXXXXX	2.598(66.00)	2.677(68.00)
30	FPH20069-D30SXXX4XXXXXXXX	1.102(28.00)	1.181(30.00)	70	FPH20069-D70SXXX4XXXXXXXX	2.677(68.00)	2.756(70.00)
32	FPH20069-D32SXXX4XXXXXXXX	1.181(30.00)	1.260(32.00)	72	FPH20069-D72SXXX4XXXXXXXX	2.756(70.00)	2.835(72.00)
34	FPH20069-D34SXXX4XXXXXXXX	1.260(32.00)	1.339(34.00)	74	FPH20069-D74SXXX4XXXXXXXX	2.835(72.00)	2.913(74.00)
36	FPH20069-D36SXXX4XXXXXXXX	1.339(34.00)	1.417(36.00)	76	FPH20069-D76SXXX4XXXXXXXX	2.913(74.00)	2.992(76.00)
38	FPH20069-D38SXXX4XXXXXXXX	1.417(36.00)	1.496(38.00)	78	FPH20069-D78SXXX4XXXXXXXX	2.992(76.00)	3.071(78.00)
40	FPH20069-D40SXXX4XXXXXXXX	1.496(38.00)	1.574(40.00)	80	FPH20069-D80SXXX4XXXXXXXX	3.071(78.00)	3.150(80.00)
42	FPH20069-D42SXXX4XXXXXXXX	1.574(40.00)	1.654(42.00)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20069-DXXSXXX4XXXXXXXX	ITEM NO. FPH20069	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X'±5" .X'±2"	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)		
	SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX'±1" .XX'±0.5"	DRAWN BY ZOEY	DATE 23/DEC/19		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION