

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

**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

A

B

C

D

E

F

A

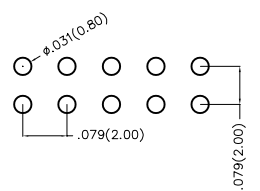
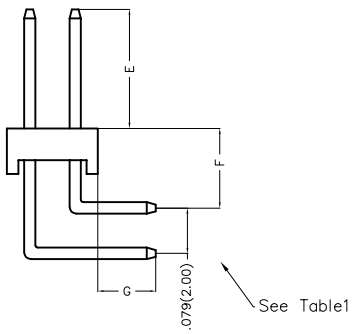
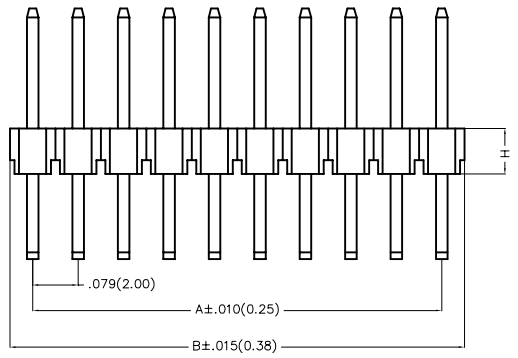
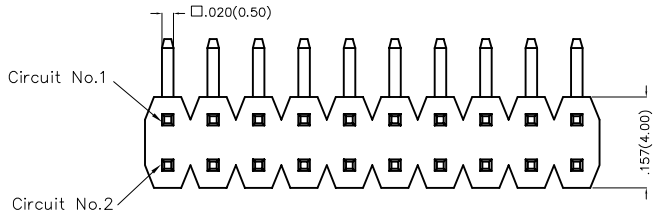
B

C

D

E

F



Recommended P.C.Board Layout

**Ordering Information**

FPH	200	54	-	D	XX	B	X	XX	X	XX	XX	XX	B
1	2	3	4	5	6	7	8	9	10	11	12	13	

1 Category FPH-Pin Header	2 Series Number 200-Pitch2.00mm	3 Distinction No. 54	4 Row Option D-Double Row	5 Circuits XX	6 Entry Angle B-90° Angle	7 Plating 1-Gold plated 7-Selective gold plated on contact area and matte tin plated on tails area
8 Thickness of Plating 01-1μ" 15-15μ" Custom plate available	9 Material-Resin 1-PBT 4-PA6T	10 E Size 01,02...-Serial number (See Table1)	11 F Size 01,02...-Serial number (See Table1)	12 G Size 01,02...-Serial number (See Table1)	13 Packaging B-PE Bag	

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20054-DXXBXXXXXXXXXXB	ITEM NO. FPH20054	<p>Leader Of Industry</p>	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X'±5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 90° Angle(DIP)			REV 0 SHEET NO. 1/3
	SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX'±1'	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		

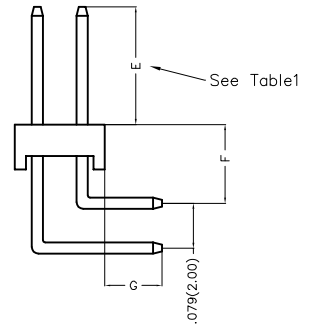
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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	Serial number	Dimensions (in/mm) G
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)		



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>
	X.±.012(0.30)	X.±5'	FRANK	23/DEC/19	FPH20054-DXXBXXXXXXXXXXB	FPH20054	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
DESIGN UNITS	X.XX±.006(0.15)	.XX'±1'	CHERRY	23/DEC/19	Board to Board(Pin Header)		REV 0
Inch (metric)	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	Pitch 2.00mm 90° Angle(DIP)		
SCALE			ZOEY	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		
5:1	SIZE	A4					

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	FPH20054-D02BXXXXXXXXXB	—	.079(2.00)	42	FPH20054-D42BXXXXXXXXXB	1.574(40.00)	1.654(42.00)
4	FPH20054-D04BXXXXXXXXXB	.079(2.00)	.157(4.00)	44	FPH20054-D44BXXXXXXXXXB	1.654(42.00)	1.732(44.00)
6	FPH20054-D06BXXXXXXXXXB	.157(4.00)	.236(6.00)	46	FPH20054-D46BXXXXXXXXXB	1.732(44.00)	1.811(46.00)
8	FPH20054-D08BXXXXXXXXXB	.236(6.00)	.315(8.00)	48	FPH20054-D48BXXXXXXXXXB	1.811(46.00)	1.890(48.00)
10	FPH20054-D10BXXXXXXXXXB	.315(8.00)	.394(10.00)	50	FPH20054-D50BXXXXXXXXXB	1.890(48.00)	1.969(50.00)
12	FPH20054-D12BXXXXXXXXXB	.394(10.00)	.472(12.00)	52	FPH20054-D52BXXXXXXXXXB	1.969(50.00)	2.047(52.00)
14	FPH20054-D14BXXXXXXXXXB	.472(12.00)	.551(14.00)	54	FPH20054-D54BXXXXXXXXXB	2.047(52.00)	2.126(54.00)
16	FPH20054-D16BXXXXXXXXXB	.551(14.00)	.630(16.00)	56	FPH20054-D56BXXXXXXXXXB	2.126(54.00)	2.205(56.00)
18	FPH20054-D18BXXXXXXXXXB	.630(16.00)	.709(18.00)	58	FPH20054-D58BXXXXXXXXXB	2.205(56.00)	2.283(58.00)
20	FPH20054-D20BXXXXXXXXXB	.709(18.00)	.787(20.00)	60	FPH20054-D60BXXXXXXXXXB	2.283(58.00)	2.362(60.00)
22	FPH20054-D22BXXXXXXXXXB	.787(20.00)	.866(22.00)	62	FPH20054-D62BXXXXXXXXXB	2.362(60.00)	2.441(62.00)
24	FPH20054-D24BXXXXXXXXXB	.866(22.00)	.945(24.00)	64	FPH20054-D64BXXXXXXXXXB	2.441(62.00)	2.520(64.00)
26	FPH20054-D26BXXXXXXXXXB	.945(24.00)	1.024(26.00)	66	FPH20054-D66BXXXXXXXXXB	2.520(64.00)	2.598(66.00)
28	FPH20054-D28BXXXXXXXXXB	1.024(26.00)	1.102(28.00)	68	FPH20054-D68BXXXXXXXXXB	2.598(66.00)	2.677(68.00)
30	FPH20054-D30BXXXXXXXXXB	1.102(28.00)	1.181(30.00)	70	FPH20054-D70BXXXXXXXXXB	2.677(68.00)	2.756(70.00)
32	FPH20054-D32BXXXXXXXXXB	1.181(30.00)	1.260(32.00)	72	FPH20054-D72BXXXXXXXXXB	2.756(70.00)	2.835(72.00)
34	FPH20054-D34BXXXXXXXXXB	1.260(32.00)	1.339(34.00)	74	FPH20054-D74BXXXXXXXXXB	2.835(72.00)	2.913(74.00)
36	FPH20054-D36BXXXXXXXXXB	1.339(34.00)	1.417(36.00)	76	FPH20054-D76BXXXXXXXXXB	2.913(74.00)	2.992(76.00)
38	FPH20054-D38BXXXXXXXXXB	1.417(36.00)	1.496(38.00)	78	FPH20054-D78BXXXXXXXXXB	2.992(76.00)	3.071(78.00)
40	FPH20054-D40BXXXXXXXXXB	1.496(38.00)	1.574(40.00)	80	FPH20054-D80BXXXXXXXXXB	3.071(78.00)	3.150(80.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20054-DXXBXXXXXXXXXB	ITEM NO. FPH20054	 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 90° Angle(DIP)			REV 0
	X.XX±.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			SHEET NO. 3/3
	X.XX±.006(0.15)	.XX'±1'						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'					