

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

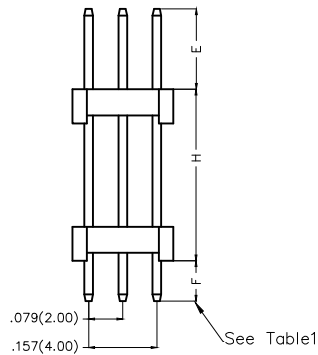
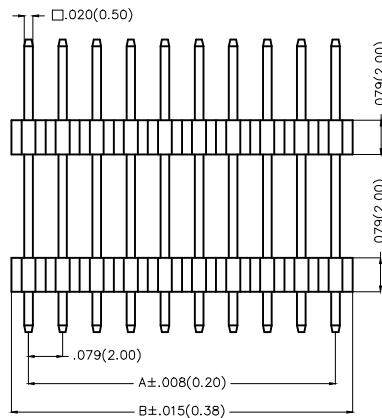
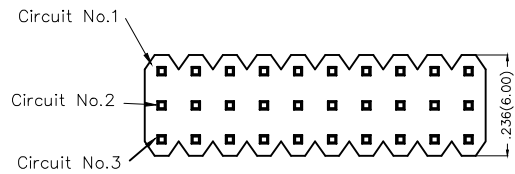
SPECIFICATIONS

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

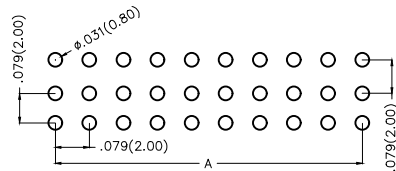
Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Ordering Information

FPH 200 51 - T XX S 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. 51	4 Row Option T-Three Row	5 Circuits XX	6 Entry Angle S-180° Vertical	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 H Size 01,02...-Serial number (See Table1)	13 Packaging B-PE Bag	



Recommended P.C.Board Layout

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20051-TXXSXXXXXXXXXB	ITEM NO. FPH20051	<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 180° Vertical(DIP)		REV 0
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		

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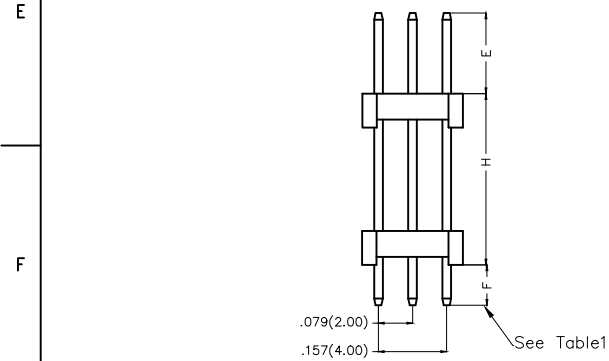
1	2	3	4	5	6	7	8			
					REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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) H	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H
01		19	.472(12.00)	37	.827(21.00)
02		20	.492(12.50)	38	.846(21.50)
03	.157(4.00)	21	.512(13.00)	39	.866(22.00)
04	.177(4.50)	22	.531(13.50)	40	.886(22.50)
05	.197(5.00)	23	.551(14.00)	41	.906(23.00)
06	.217(5.50)	24	.571(14.50)	42	.925(23.50)
07	.236(6.00)	25	.591(15.00)	43	.945(24.00)
08	.256(6.50)	26	.610(15.50)	44	.965(24.50)
09	.276(7.00)	27	.630(16.00)	45	.984(25.00)
10	.295(7.50)	28	.650(16.50)		
11	.315(8.00)	29	.669(17.00)		
12	.335(8.50)	30	.689(17.50)		
13	.354(9.00)	31	.709(18.00)		
14	.374(9.50)	32	.728(18.50)		
15	.394(10.00)	33	.748(19.00)		
16	.413(10.50)	34	.768(19.50)		
17	.433(11.00)	35	.787(20.00)		
18	.453(11.50)	36	.807(20.50)		



<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	FPH20051-TXXSXXXXXXXXXXB	FPH20051			
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.'±2'	CHECKED BY	DATE	TITLE		REV 0	SHEET NO. 2/3
	SCALE 5:1	X.XX±.006(0.15)	X.'±1'	CHERRY	23/DEC/19	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	X.XXX±.004(0.10)	X.'±0.5'	DRAWN BY	DATE					
			ZOEY	23/DEC/19					

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
12	FPH20051-T12SXXXXXXXXXB	.236(6.00)	.315(8.00)	69	FPH20051-T69SXXXXXXXXXB	1.732(44.00)	1.811(46.00)
15	FPH20051-T15SXXXXXXXXXB	.315(8.00)	.394(10.00)	72	FPH20051-T72SXXXXXXXXXB	1.811(46.00)	1.890(48.00)
18	FPH20051-T18SXXXXXXXXXB	.394(10.00)	.472(12.00)	75	FPH20051-T75SXXXXXXXXXB	1.890(48.00)	1.969(50.00)
21	FPH20051-T21SXXXXXXXXXB	.472(12.00)	.551(14.00)	78	FPH20051-T78SXXXXXXXXXB	1.969(50.00)	2.047(52.00)
24	FPH20051-T24SXXXXXXXXXB	.551(14.00)	.630(16.00)	81	FPH20051-T81SXXXXXXXXXB	2.047(52.00)	2.126(54.00)
27	FPH20051-T27SXXXXXXXXXB	.630(16.00)	.709(18.00)	84	FPH20051-T84SXXXXXXXXXB	2.126(54.00)	2.205(56.00)
30	FPH20051-T30SXXXXXXXXXB	.709(18.00)	.787(20.00)	87	FPH20051-T87SXXXXXXXXXB	2.205(56.00)	2.283(58.00)
33	FPH20051-T33SXXXXXXXXXB	.787(20.00)	.866(22.00)	90	FPH20051-T90SXXXXXXXXXB	2.283(58.00)	2.362(60.00)
36	FPH20051-T36SXXXXXXXXXB	.866(22.00)	.945(24.00)	93	FPH20051-T93SXXXXXXXXXB	2.362(60.00)	2.441(62.00)
39	FPH20051-T39SXXXXXXXXXB	.945(24.00)	1.024(26.00)	96	FPH20051-T96SXXXXXXXXXB	2.441(62.00)	2.520(64.00)
42	FPH20051-T42SXXXXXXXXXB	1.024(26.00)	1.102(28.00)	99	FPH20051-T99SXXXXXXXXXB	2.520(64.00)	2.598(66.00)
45	FPH20051-T45SXXXXXXXXXB	1.102(28.00)	1.181(30.00)	102	FPH20051-T102SXXXXXXXXXB	2.598(66.00)	2.677(68.00)
48	FPH20051-T48SXXXXXXXXXB	1.181(30.00)	1.260(32.00)	105	FPH20051-T105SXXXXXXXXXB	2.677(68.00)	2.756(70.00)
51	FPH20051-T51SXXXXXXXXXB	1.260(32.00)	1.339(34.00)	108	FPH20051-T108SXXXXXXXXXB	2.756(70.00)	2.835(72.00)
54	FPH20051-T54SXXXXXXXXXB	1.339(34.00)	1.417(36.00)	111	FPH20051-T110SXXXXXXXXXB	2.835(72.00)	2.913(74.00)
57	FPH20051-T57SXXXXXXXXXB	1.417(36.00)	1.496(38.00)	114	FPH20051-T114SXXXXXXXXXB	2.913(74.00)	2.992(76.00)
60	FPH20051-T60SXXXXXXXXXB	1.496(38.00)	1.574(40.00)	117	FPH20051-T117SXXXXXXXXXB	2.992(76.00)	3.071(78.00)
63	FPH20051-T63SXXXXXXXXXB	1.574(40.00)	1.654(42.00)	120	FPH20051-T120SXXXXXXXXXB	3.071(78.00)	3.150(80.00)
66	FPH20051-T66SXXXXXXXXXB	1.654(42.00)	1.732(44.00)				

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	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)			REV 0
	DESIGN UNITS Inch (metric)	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		
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.'±1'	X.XX±.004(0.10)	X.'±0.5'		

1 2 3 4 5 6 7 8