

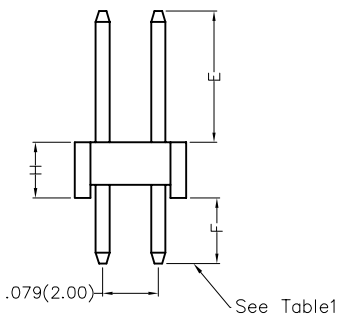
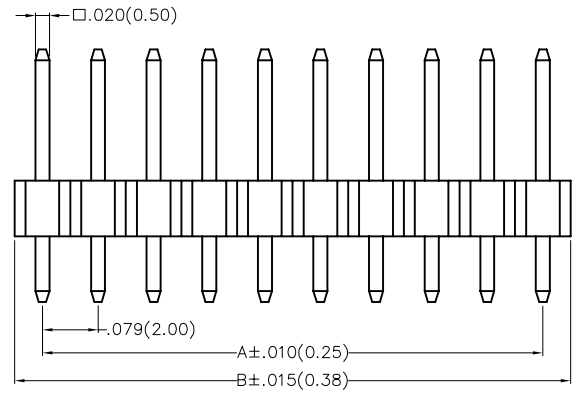
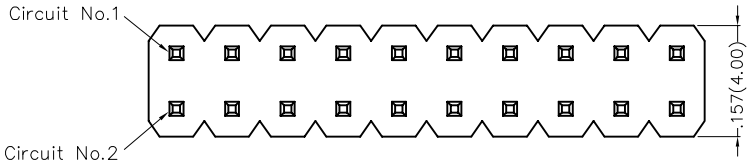
1 2 3 4 5 6 7 8

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

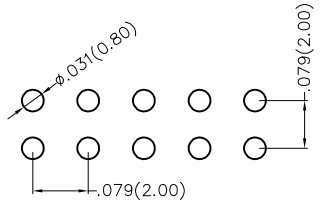
Material
 Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold in contact area, bright tin on tail



Ordering Information

FPH 200 21 - D XX S X XX X XX B
 1 2 3 4 5 6 7 8 9 10 11

1 <u>Category</u> FPH-Pin Header	2 <u>Series Number</u> 200-Pitch2.00mm	3 <u>Distinction No.</u> 21	4 <u>Row Option</u> D-Doubel 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, bright tin on tail	8 <u>Thickness of Plating</u> 01-1μ" 15-15μ" Custom plate available	9 <u>Material-Resin</u> 1-PBT 4-PA6T	10 <u>Size</u> 01,02... -Serial number (See Table1) Custom length available	11 <u>Packaging</u> B-PE Bag	



Recommended P.C.Board Layout

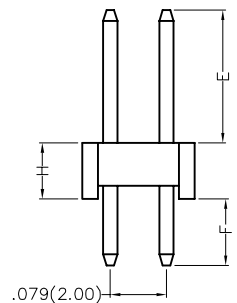
<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED) X.±.012(0.30) X'.±5' X.X±.008(0.20) X'.±2' X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'		APPROVE BY FRANK DATE 21/JUN/16	PART NO. FPH20021-DXXSXXXXXB	ITEM NO. FPH20021	<p>Leader Of Industry</p>
	DESIGN UNITS Inch (metric)	SCALE 5:1	SIZE A4	CHECKED BY CHERRY DATE 21/JUN/16	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)	
DRAWN BY KATE	DATE 21/JUN/16	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISED	APPD

Table1

Serial number	Dimensions(in/mm)			Canceled Circuits	Note	Serial number	Dimensions(in/mm)			Canceled Circuits	Note
	E	F	H				E	F	H		
01	.157(4.00)	.110(2.80)	.079(2.00)	—		28	.157(4.00)	.102(2.60)	.098(2.50)	—	
02	.098(2.50)	.157(4.00)	.079(2.00)	—		29	.244(6.20)	.110(2.80)	.079(2.00)	—	
03	.157(4.00)	.079(2.00)	.079(2.00)	—		30	.236(6.00)	.236(6.00)	.098(2.50)	—	
04	.197(5.00)	.157(4.00)	.079(2.00)	—		31	.157(4.00)	.112(2.85)	.059(1.50)	—	
05						32	.157(4.00)	.110(2.80)	.079(2.00)	—	
06	.138(3.50)	.094(2.40)	.059(1.50)	—		33	.157(4.00)	.079(2.00)	.039(1.00)	—	
07	.098(2.50)	.059(1.50)	.059(1.50)	—		34	.079(2.00)	.079(2.00)	.039(1.00)	—	
08	.059(1.50)	.059(1.50)	.098(2.50)	—		35	.197(5.00)	.110(2.80)	.079(2.00)	—	
09	.110(2.80)	.394(10.0)	.079(2.00)	—		36	.157(4.00)	.110(2.80)	.079(2.00)	No.25,26	Only 32Circuits
10	.079(2.00)	.079(2.00)	.079(2.00)	—		37	.154(3.90)	.110(2.80)	.079(2.00)	—	
11	.114(2.90)	.114(2.90)	.079(2.00)	—		38	.142(3.60)	.154(3.90)	.059(1.50)	—	
12	.079(2.00)	.110(2.80)	.079(2.00)	—		39	.142(3.60)	.075(1.90)	.059(1.50)	—	
13	.709(18.00)	.118(3.00)	.079(2.00)	—		40	.157(4.00)	.110(2.80)	.079(2.00)	No.20	Only 30,40 Circuits
14	.315(8.00)	.118(3.00)	.079(2.00)	—		41	.157(4.00)	.110(2.80)	.079(2.00)	No.10	Only 10Circuits
15	.150(3.80)	.110(2.80)	.079(2.00)	—		42	.118(3.00)	.118(3.00)	.059(1.50)	—	
16	.150(3.80)	.110(2.80)	.079(2.00)	No.13	Only 26Circuits	43	.433(11.00)	.118(3.00)	.079(2.00)	—	
17	.150(3.80)	.110(2.80)	.079(2.00)	No.25	Only 26Circuits	44	.177(4.50)	.118(3.00)	.079(2.00)	—	
18	.240(6.10)	.138(3.50)	.079(2.00)	—		45	.236(6.00)	.118(3.00)	.079(2.00)	—	
19	.079(2.00)	.146(3.70)	.236(6.00)	—		46	.331(8.40)	.110(2.80)	.079(2.00)	—	
20	.157(4.00)	.110(2.80)	.098(2.50)	—		47	.118(3.00)	.118(3.00)	.079(2.00)	—	
21	.236(6.00)	.118(3.00)	.059(1.50)	No.3,4,5,6	Only 12Circuits	48	.197(5.00)	.118(3.00)	.079(2.00)	—	
22	.260(6.60)	.118(3.00)	.079(2.00)	—		49	.276(7.00)	.118(3.00)	.079(2.00)	—	
23	.177(4.50)	.118(3.00)	.059(1.50)	No.3,4,5,6	Only 10,12 Circuits						
24	.276(7.00)	.110(2.80)	.059(1.50)	—							
25	.157(4.00)	.118(3.00)	.118(3.00)	—							
26	1.181(30.00)	.110(2.80)	.079(2.00)	—							
27	.138(3.50)	.094(2.40)	.059(1.50)	No.1,5	Only 6Circuits						

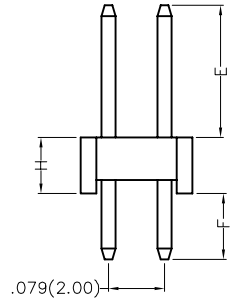


<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>		
	X.±.012(0.30)	X'.±5'	FRANK	21/JUN/16	FPH20021-DXXSXXXXXXB	FPH20021			
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X'±2'	CHECKED BY	DATE	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		REV 0	SHEET NO. 2/4
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	CHERRY	21/JUN/16	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'XX'±0.5'	DRAWN BY	DATE				
			KATE	21/JUN/16					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)			Canceled Circuits	Note
	E	F	H		
50	.177(4.50)	.118(3.00)	.079(2.00)	No.3,4,5,6	Only 10Circuits
51	.197(5.00)	.079(2.00)	.059(1.50)	——	
52	.138(3.50)	.110(2.80)	.079(2.00)	——	
53	.173(4.40)	.110(2.80)	.059(1.50)	——	
54	.295(7.50)	.098(2.50)	.079(2.00)	——	
55	.146(3.70)	.138(3.50)	.079(2.00)	——	
56	.217(5.50)	.118(3.00)	.118(3.00)	——	
57	.146(3.70)	.079(2.00)	.236(6.00)	——	
58	.079(2.00)	.079(2.00)	.059(1.50)	——	
59	.177(4.50)	.110(2.80)	.059(1.50)	No.27,28,31,32	Only 34Circuits
60	.177(4.50)	.118(3.00)	.059(1.50)	——	
61	.157(4.00)	.110(2.80)	.039(1.00)	——	
62	.256(6.50)	.059(1.50)	.098(2.50)	——	
63	.240(6.10)	.059(1.50)	.098(2.50)	——	
64	.146(3.70)	.118(3.00)	.079(2.00)	——	
65	.240(6.10)	.098(2.50)	.098(2.50)	——	
66	.280(7.10)	.098(2.50)	.098(2.50)	——	
67	.630(16.00)	.110(2.80)	.079(2.00)	——	
68	.492(12.50)	.118(3.00)	.098(2.50)	——	
69	.197(5.00)	.138(3.50)	.079(2.00)	——	
70	.138(3.50)	.110(2.80)	.138(3.50)	No.3-4,7-26,29-30 33-50,53-54	Only 56Circuits



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.'±5'	FRANK	21/JUN/16	FPH20021-DXXSXXXXXXB	FPH20021	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)
SCALE	X.XXX±.004(0.10)	.XX'±1'	CHERRY	21/JUN/16	REV 0		
SIZE A4	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			KATE	21/JUN/16			

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

C

D



E

F

1 2 3 4 5 6 7 8

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	FPH20021-D02SXXXXXXB	—	.079(2.00)	42	FPH20021-D42SXXXXXXB	1.574(40.00)	1.654(42.00)
4	FPH20021-D04SXXXXXXB	.079(2.00)	.157(4.00)	44	FPH20021-D44SXXXXXXB	1.654(42.00)	1.732(44.00)
6	FPH20021-D06SXXXXXXB	.157(4.00)	.236(6.00)	46	FPH20021-D46SXXXXXXB	1.732(44.00)	1.811(46.00)
8	FPH20021-D08SXXXXXXB	.236(6.00)	.315(8.00)	48	FPH20021-D48SXXXXXXB	1.811(46.00)	1.890(48.00)
10	FPH20021-D10SXXXXXXB	.315(8.00)	.394(10.00)	50	FPH20021-D50SXXXXXXB	1.890(48.00)	1.969(50.00)
12	FPH20021-D12SXXXXXXB	.394(10.00)	.472(12.00)	52	FPH20021-D52SXXXXXXB	1.969(50.00)	2.047(52.00)
14	FPH20021-D14SXXXXXXB	.472(12.00)	.551(14.00)	54	FPH20021-D54SXXXXXXB	2.047(52.00)	2.126(54.00)
16	FPH20021-D16SXXXXXXB	.551(14.00)	.630(16.00)	56	FPH20021-D56SXXXXXXB	2.126(54.00)	2.205(56.00)
18	FPH20021-D18SXXXXXXB	.630(16.00)	.709(18.00)	58	FPH20021-D58SXXXXXXB	2.205(56.00)	2.283(58.00)
20	FPH20021-D20SXXXXXXB	.709(18.00)	.787(20.00)	60	FPH20021-D60SXXXXXXB	2.283(58.00)	2.362(60.00)
22	FPH20021-D22SXXXXXXB	.787(20.00)	.866(22.00)	62	FPH20021-D62SXXXXXXB	2.362(60.00)	2.441(62.00)
24	FPH20021-D24SXXXXXXB	.866(22.00)	.945(24.00)	64	FPH20021-D64SXXXXXXB	2.441(62.00)	2.520(64.00)
26	FPH20021-D26SXXXXXXB	.945(24.00)	1.024(26.00)	66	FPH20021-D66SXXXXXXB	2.520(64.00)	2.598(66.00)
28	FPH20021-D28SXXXXXXB	1.024(26.00)	1.102(28.00)	68	FPH20021-D68SXXXXXXB	2.598(66.00)	2.677(68.00)
30	FPH20021-D30SXXXXXXB	1.102(28.00)	1.181(30.00)	70	FPH20021-D70SXXXXXXB	2.677(68.00)	2.756(70.00)
32	FPH20021-D32SXXXXXXB	1.181(30.00)	1.260(32.00)	72	FPH20021-D72SXXXXXXB	2.756(70.00)	2.835(72.00)
34	FPH20021-D34SXXXXXXB	1.260(32.00)	1.339(34.00)	74	FPH20021-D74SXXXXXXB	2.835(72.00)	2.913(74.00)
36	FPH20021-D36SXXXXXXB	1.339(34.00)	1.417(36.00)	76	FPH20021-D76SXXXXXXB	2.913(74.00)	2.992(76.00)
38	FPH20021-D38SXXXXXXB	1.417(36.00)	1.496(38.00)	78	FPH20021-D78SXXXXXXB	2.992(76.00)	3.071(78.00)
40	FPH20021-D40SXXXXXXB	1.496(38.00)	1.574(40.00)	80	FPH20021-D80SXXXXXXB	3.071(78.00)	3.150(80.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	21/JUN/16	FPH20021-DXXSXXXXXXB	FPH20021	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX'±1'	CHERRY	21/JUN/16	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		
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			KATE	21/JUN/16	REV 0	SHEET NO. 4/4