

Dimensions(in/mm)	
H	H1+H2+H3+H4
.256(6.50)	.039(1.00)+.059(1.50)+.079(2.00)+.079(2.00)
.276(7.00)	.059(1.50)+.059(1.50)+.079(2.00)+.079(2.00)
.295(7.50)	.059(1.50)+.079(2.00)+.079(2.00)+.079(2.00)
≥.315(8.00)	.079(2.00)+.079(2.00)+.079(2.00)+.079(2.00)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

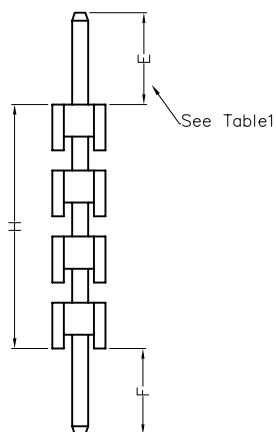
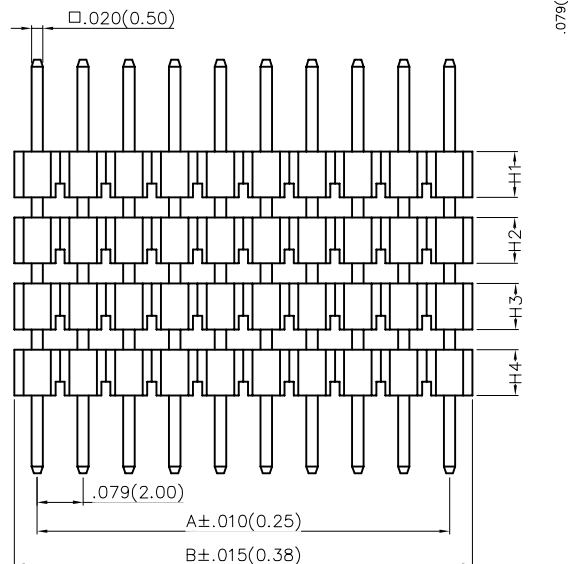
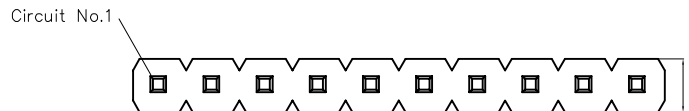
SPECIFICATIONS

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: 500V AC r.m.s
Temperature Range-Operating: -40°C~+105°C

Material

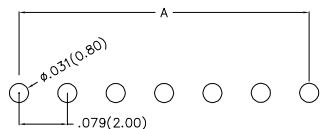
Housing: Glass Filled Polyester (UL 94V-0), Color: Black
Pin: Brass
Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area




Ordering Information

FPH 200 77 - S XX S X XX X XX XX XX B
1 2 3 4 5 6 7 8 9 10 11 12 13

1 <u>Category</u> FPH-Pin Header	2 <u>Series Number</u> 200-Pitch 2.00mm	3 <u>Distinction No.</u> 77	4 <u>Row Option</u> S-Single Row	5 <u>Circuits</u> XX	6 <u>Entry Angle</u> S-180° Vertical	7 <u>Plating</u> 1-Gold plated 3-Selective gold plated on contact area and matte tin plated on tails area
8 <u>Thickness of Plating</u> 01-1μ" 15-15μ" Custom plate available	9 <u>Material-Resin</u> 1-PBT 4-PA6T	10 <u>E Size</u> 01,02...-Serial number (See Table1)	11 <u>F Size</u> 01,02...-Serial number (See Table1)	12 <u>H Size</u> 01,02...-Serial number (See Table1)	13 <u>Packaging</u> B-PE Bag	



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/FEB/22	PART NO. FPH20077-SXXSXXXXXXXXXB	ITEM NO. FPH20077	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X:±5' .X:±2' .XX:±1' .XXX:±0.5'	CHECKED BY CHERRY	DATE 17/FEB/22	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)	
SCALE 5:1	SIZE A4	DRAWN BY MATT		DATE 17/FEB/22	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

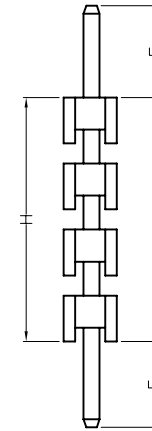
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/FEB/22	PART NO. FPH20077-SXXSXXXXXXXXXXB	ITEM NO. FPH20077	<p>Leader Of Industry</p>		
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 17/FEB/22	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		REV 0	SHEET NO. 2/3
		X.XX±.006(0.15)	.XX'±1'	DRAWN BY MATT	DATE 17/FEB/22	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)	.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
1	FPH20077-S01SXXXXXXXXXXB	—	.079(2.00)	21	FPH20077-S21SXXXXXXXXXXB	1.574(40.00)	1.654(42.00)
2	FPH20077-S02SXXXXXXXXXXB	.079(2.00)	.157(4.00)	22	FPH20077-S22SXXXXXXXXXXB	1.654(42.00)	1.732(44.00)
3	FPH20077-S03SXXXXXXXXXXB	.157(4.00)	.236(6.00)	23	FPH20077-S23SXXXXXXXXXXB	1.732(44.00)	1.811(46.00)
4	FPH20077-S04SXXXXXXXXXXB	.236(6.00)	.315(8.00)	24	FPH20077-S24SXXXXXXXXXXB	1.811(46.00)	1.890(48.00)
5	FPH20077-S05SXXXXXXXXXXB	.315(8.00)	.394(10.00)	25	FPH20077-S25SXXXXXXXXXXB	1.890(48.00)	1.969(50.00)
6	FPH20077-S06SXXXXXXXXXXB	.394(10.00)	.472(12.00)	26	FPH20077-S26SXXXXXXXXXXB	1.969(50.00)	2.047(52.00)
7	FPH20077-S07SXXXXXXXXXXB	.472(12.00)	.551(14.00)	27	FPH20077-S27SXXXXXXXXXXB	2.047(52.00)	2.126(54.00)
8	FPH20077-S08SXXXXXXXXXXB	.551(14.00)	.630(16.00)	28	FPH20077-S28SXXXXXXXXXXB	2.126(54.00)	2.205(56.00)
9	FPH20077-S09SXXXXXXXXXXB	.630(16.00)	.709(18.00)	29	FPH20077-S29SXXXXXXXXXXB	2.205(56.00)	2.283(58.00)
10	FPH20077-S10SXXXXXXXXXXB	.709(18.00)	.787(20.00)	30	FPH20077-S30SXXXXXXXXXXB	2.283(58.00)	2.362(60.00)
11	FPH20077-S11SXXXXXXXXXXB	.787(20.00)	.866(22.00)	31	FPH20077-S31SXXXXXXXXXXB	2.362(60.00)	2.441(62.00)
12	FPH20077-S12SXXXXXXXXXXB	.866(22.00)	.945(24.00)	32	FPH20077-S32SXXXXXXXXXXB	2.441(62.00)	2.520(64.00)
13	FPH20077-S13SXXXXXXXXXXB	.945(24.00)	1.024(26.00)	33	FPH20077-S33SXXXXXXXXXXB	2.520(64.00)	2.598(66.00)
14	FPH20077-S14SXXXXXXXXXXB	1.024(26.00)	1.102(28.00)	34	FPH20077-S34SXXXXXXXXXXB	2.598(66.00)	2.677(68.00)
15	FPH20077-S15SXXXXXXXXXXB	1.102(28.00)	1.181(30.00)	35	FPH20077-S35SXXXXXXXXXXB	2.677(68.00)	2.756(70.00)
16	FPH20077-S16SXXXXXXXXXXB	1.181(30.00)	1.260(32.00)	36	FPH20077-S36SXXXXXXXXXXB	2.756(70.00)	2.835(72.00)
17	FPH20077-S17SXXXXXXXXXXB	1.260(32.00)	1.339(34.00)	37	FPH20077-S37SXXXXXXXXXXB	2.835(72.00)	2.913(74.00)
18	FPH20077-S18SXXXXXXXXXXB	1.339(34.00)	1.417(36.00)	38	FPH20077-S38SXXXXXXXXXXB	2.913(74.00)	2.992(76.00)
19	FPH20077-S19SXXXXXXXXXXB	1.417(36.00)	1.496(38.00)	39	FPH20077-S39SXXXXXXXXXXB	2.992(76.00)	3.071(78.00)
20	FPH20077-S20SXXXXXXXXXXB	1.496(38.00)	1.574(40.00)	40	FPH20077-S40SXXXXXXXXXXB	3.071(78.00)	3.150(80.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/FEB/22	PART NO. FPH20077-SXXSXXXXXXXXXXB	ITEM NO. FPH20077	 Leader Of Industry			
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X:±5° .X'±2'	CHECKED BY CHERRY	DATE 17/FEB/22	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		REV 0	SHEET NO. 3/3	
	SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	DRAWN BY MATT	DATE 17/FEB/22	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				