

Dimensions(in/mm)		
H	H1+H2	W
.118(3.00)	.059(1.50)+.059(1.50)	.134(3.40)
.138(3.50)	.059(1.50)+.059(1.50)	
.157(4.00)	.079(2.00)+.079(2.00)	.118(3.00)
.177(4.50)	.079(2.00)+.098(2.50)	
≥.197(5.00)	.098(2.50)+.098(2.50)	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

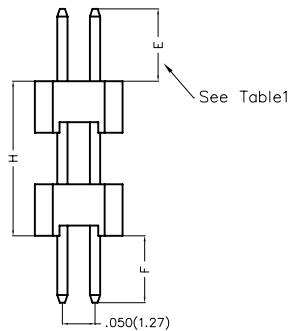
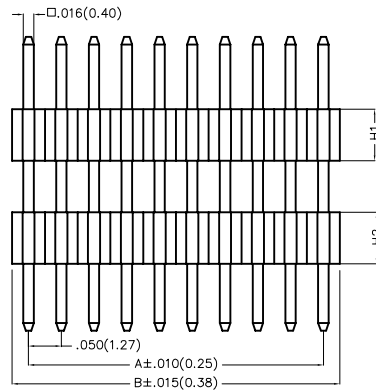
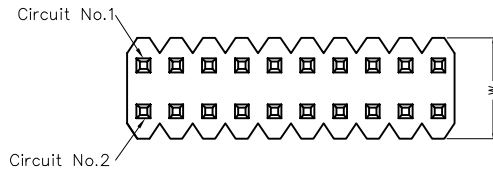
**SPECIFICATIONS**

**Electrical**

Current Rating:1.0A 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 and Plating**

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

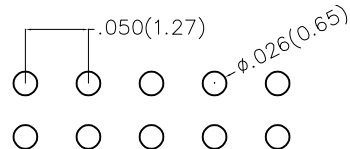


**Ordering Information**

FPH 127 31 - D XX S X XX 4 XX XX XX B  
1 2 3 4 5 6 7 8 9 10 11 12 13

Category FPH-Pin Header	2 Series Number 127-Pitch1.27mm	3 Distinction No. 31	4 Row Option D-Double 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
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8 Thickness of Plating 01-1μ" 15-15μ" Custom plate available	9 Material-Resin 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
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Recommended P.C.Board Layout

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12731-DXXSXX4XXXXXB	ITEM NO. FPH12731	<p>Leader Of Industry</p>		
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 17/DEC/19	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(DIP)			REV 0	SHEET NO. 1/3
	X.XX±.008(0.20)	X.±2'	DRAWN BY ZOEY	DATE 17/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				
	X.XX±.006(0.15)	.XX±1'							
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5'						

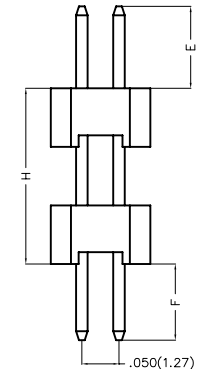
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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	.118(3.00)	19	.472(12.00)
02	.138(3.50)	20	.492(12.50)
03	.157(4.00)	21	.512(13.00)
04	.177(4.50)	22	.531(13.50)
05	.197(5.00)	23	.551(14.00)
06	.217(5.50)	24	.571(14.50)
07	.236(6.00)	25	.591(15.00)
08	.256(6.50)	26	.610(15.50)
09	.276(7.00)	27	.630(16.00)
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)		



<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	17/DEC/19	FPH12731-DXXSXXX4XXXXXXB	FPH12731		
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(DIP)		
	SCALE 5:1	X.XX±.006(0.15)	.XX'±1'	CHERRY	17/DEC/19	REV 0		SHEET NO. 2/3
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			
			ZOEY	17/DEC/19				

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	FPH12731-D02SXXX4XXXXXXB	—	.050(1.27)	44	FPH12731-D44SXXX4XXXXXXB	1.050(26.67)	1.100(27.94)
4	FPH12731-D04SXXX4XXXXXXB	.050(1.27)	.100(2.54)	46	FPH12731-D46SXXX4XXXXXXB	1.100(27.94)	1.150(29.21)
6	FPH12731-D06SXXX4XXXXXXB	.100(2.54)	.150(3.81)	48	FPH12731-D48SXXX4XXXXXXB	1.150(29.21)	1.200(30.48)
8	FPH12731-D08SXXX4XXXXXXB	.150(3.81)	.200(5.08)	50	FPH12731-D50SXXX4XXXXXXB	1.200(30.48)	1.250(31.75)
10	FPH12731-D10SXXX4XXXXXXB	.200(5.08)	.250(6.35)	52	FPH12731-D52SXXX4XXXXXXB	1.250(31.75)	1.300(33.02)
12	FPH12731-D12SXXX4XXXXXXB	.250(6.35)	.300(7.62)	54	FPH12731-D54SXXX4XXXXXXB	1.300(33.02)	1.350(34.29)
14	FPH12731-D14SXXX4XXXXXXB	.300(7.62)	.350(8.89)	56	FPH12731-D56SXXX4XXXXXXB	1.350(34.29)	1.400(35.56)
16	FPH12731-D16SXXX4XXXXXXB	.350(8.89)	.400(10.16)	58	FPH12731-D58SXXX4XXXXXXB	1.400(35.56)	1.450(36.83)
18	FPH12731-D18SXXX4XXXXXXB	.400(10.16)	.450(11.43)	60	FPH12731-D60SXXX4XXXXXXB	1.450(36.83)	1.500(38.10)
20	FPH12731-D20SXXX4XXXXXXB	.450(11.43)	.500(12.70)	62	FPH12731-D62SXXX4XXXXXXB	1.500(38.10)	1.550(39.37)
22	FPH12731-D22SXXX4XXXXXXB	.500(12.70)	.550(13.97)	64	FPH12731-D64SXXX4XXXXXXB	1.550(39.37)	1.600(40.64)
24	FPH12731-D24SXXX4XXXXXXB	.550(13.97)	.600(15.24)	66	FPH12731-D66SXXX4XXXXXXB	1.600(40.64)	1.650(41.91)
26	FPH12731-D26SXXX4XXXXXXB	.600(15.24)	.650(16.51)	68	FPH12731-D68SXXX4XXXXXXB	1.650(41.91)	1.700(43.18)
28	FPH12731-D28SXXX4XXXXXXB	.650(16.51)	.700(17.78)	70	FPH12731-D70SXXX4XXXXXXB	1.700(43.18)	1.750(44.45)
30	FPH12731-D30SXXX4XXXXXXB	.700(17.78)	.750(19.05)	72	FPH12731-D72SXXX4XXXXXXB	1.750(44.45)	1.800(45.72)
32	FPH12731-D32SXXX4XXXXXXB	.750(19.05)	.800(20.32)	74	FPH12731-D74SXXX4XXXXXXB	1.800(45.72)	1.850(46.99)
34	FPH12731-D34SXXX4XXXXXXB	.800(20.32)	.850(21.59)	76	FPH12731-D76SXXX4XXXXXXB	1.850(46.99)	1.900(48.26)
36	FPH12731-D36SXXX4XXXXXXB	.850(21.59)	.900(22.86)	78	FPH12731-D78SXXX4XXXXXXB	1.900(48.26)	1.950(49.53)
38	FPH12731-D38SXXX4XXXXXXB	.900(22.86)	.950(24.13)	80	FPH12731-D80SXXX4XXXXXXB	1.950(49.53)	2.000(50.80)
40	FPH12731-D40SXXX4XXXXXXB	.950(24.13)	1.00(25.40)	100	FPH12731-D100SXXX4XXXXXXB	2.45(62.23)	2.500(63.50)
42	FPH12731-D42SXXX4XXXXXXB	1.000(25.40)	1.050(26.67)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12731-DXXSXXX4XXXXXXB	ITEM NO. FPH12731	 Leader Of Industry		
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 17/DEC/19	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(DIP)			REV 0	SHEET NO. 3/3
	DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 17/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'			