

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

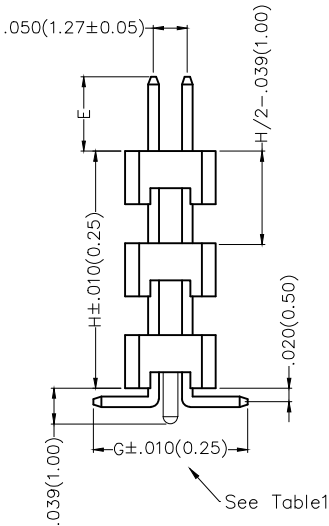
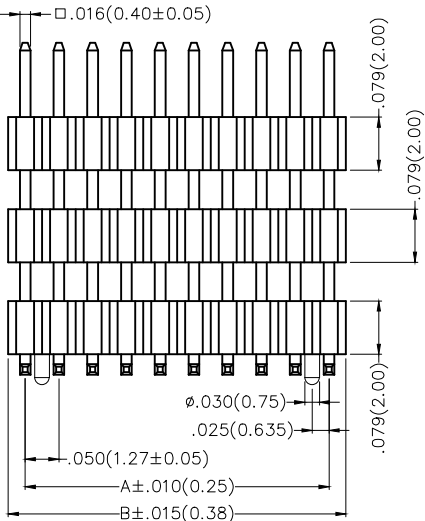
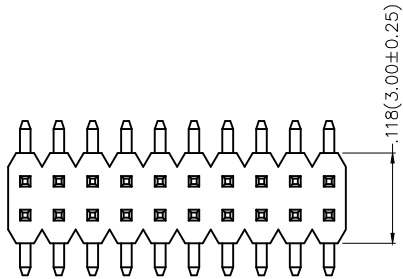
SPECIFICATIONS

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

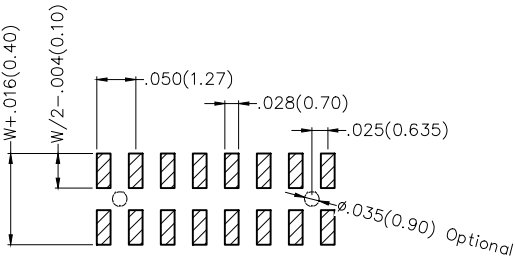
Housing: Glass Filled Polyester (UL 94V-0), Color: Black  
 Pin: Brass  
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Ordering Information

FPH 127 51 — D XX S X XX 4 XX XX XX M  
 1 2 3 4 5 6 7 8 9 10 11 12 13

Category FPH—Pin Header	2 Series Number 127—Pitch 1.27mm	3 Distinction No. 51	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
8 Thickness of Plating 01—1μ" 15—15μ" Custom plate available	9 Material—Resin 4—PA6T	10 E Size 01,02...—Serial number (See Table 1)	11 G Size 01,02...—Serial number (See Table 1)	12 H Size 01,02...—Serial number (See Table 1)	13 Packaging M—Reel	



Recommended P.C.Board Layout

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12751-DXXSXXX4XXXXXXM	ITEM NO. FPH12751	<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(SMT)		
DESIGN UNITS Inch (metric)	X.X±.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)					
		X.XX±.004(0.10)					

1 2 3 4 5 6 7 8

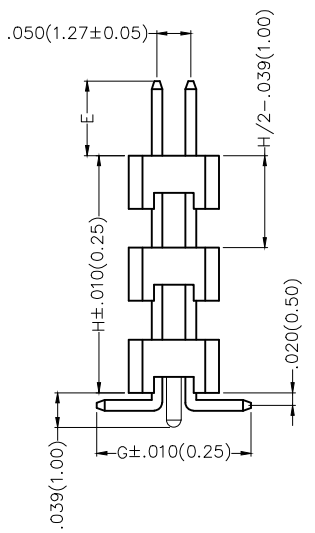
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Table1

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) G	Serial number	Dimensions (in/mm) G
03	.177(4.50)	15	.295(7.50)
04	.187(4.75)	16	.305(7.75)
05	.197(5.00)	17	.315(8.00)
06	.207(5.25)	18	.325(8.25)
07	.217(5.50)	19	.335(8.50)
08	.226(5.75)	20	.344(8.75)
09	.236(6.00)	21	.354(9.00)
10	.246(6.25)	22	.364(9.25)
11	.256(6.50)	23	.374(9.50)
12	.266(6.75)	24	.384(9.75)
13	.276(7.00)	25	.394(10.00)
14	.285(7.25)		

Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H
01	.236(6.00)	19	.591(15.00)
02	.256(6.50)	20	.610(15.50)
03	.276(7.00)	21	.630(16.00)
04	.295(7.50)	22	.650(16.50)
05	.315(8.00)	23	.669(17.00)
06	.335(8.50)	24	.689(17.50)
07	.354(9.00)	25	.709(18.00)
08	.374(9.50)	26	.728(18.50)
09	.394(10.00)	27	.748(19.00)
10	.413(10.50)	28	.768(19.50)
11	.433(11.00)	29	.787(20.00)
12	.453(11.50)	30	.807(20.50)
13	.472(12.00)	31	.827(21.00)
14	.492(12.50)	32	.846(21.50)
15	.512(13.00)		
16	.531(13.50)		
17	.551(14.00)		
18	.571(14.50)		



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	DESIGN UNITS Inch (metric)	X.X±.012(0.30)	X'±5'	CHECKED BY CHERRY	DATE 17/DEC/19	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)	
	SCALE 5:1	X.XX±.006(0.15)	.XX'±1'	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	
	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'			REV 0	SHEET NO. 2/3

1 2 3 4 5 6 7 8

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
6	FPH12751-D06SXXX4XXXXXXM	.100(2.54)	.150(3.81)	46	FPH12751-D46SXXX4XXXXXXM	1.100(27.94)	1.150(29.21)
8	FPH12751-D08SXXX4XXXXXXM	.150(3.81)	.200(5.08)	48	FPH12751-D48SXXX4XXXXXXM	1.150(29.21)	1.200(30.48)
10	FPH12751-D10SXXX4XXXXXXM	.200(5.08)	.250(6.35)	50	FPH12751-D50SXXX4XXXXXXM	1.200(30.48)	1.250(31.75)
12	FPH12751-D12SXXX4XXXXXXM	.250(6.35)	.300(7.62)	52	FPH12751-D52SXXX4XXXXXXM	1.250(31.75)	1.300(33.02)
14	FPH12751-D14SXXX4XXXXXXM	.300(7.62)	.350(8.89)	54	FPH12751-D54SXXX4XXXXXXM	1.300(33.02)	1.350(34.29)
16	FPH12751-D16SXXX4XXXXXXM	.350(8.89)	.400(10.16)	56	FPH12751-D56SXXX4XXXXXXM	1.350(34.29)	1.400(35.56)
18	FPH12751-D18SXXX4XXXXXXM	.400(10.16)	.450(11.43)	58	FPH12751-D58SXXX4XXXXXXM	1.400(35.56)	1.450(36.83)
20	FPH12751-D20SXXX4XXXXXXM	.450(11.43)	.500(12.70)	60	FPH12751-D60SXXX4XXXXXXM	1.450(36.83)	1.500(38.10)
22	FPH12751-D22SXXX4XXXXXXM	.500(12.70)	.550(13.97)	62	FPH12751-D62SXXX4XXXXXXM	1.500(38.10)	1.550(39.37)
24	FPH12751-D24SXXX4XXXXXXM	.550(13.97)	.600(15.24)	64	FPH12751-D64SXXX4XXXXXXM	1.550(39.37)	1.600(40.64)
26	FPH12751-D26SXXX4XXXXXXM	.600(15.24)	.650(16.51)	66	FPH12751-D66SXXX4XXXXXXM	1.600(40.64)	1.650(41.91)
28	FPH12751-D28SXXX4XXXXXXM	.650(16.51)	.700(17.78)	68	FPH12751-D68SXXX4XXXXXXM	1.650(41.91)	1.700(43.18)
30	FPH12751-D30SXXX4XXXXXXM	.700(17.78)	.750(19.05)	70	FPH12751-D70SXXX4XXXXXXM	1.700(43.18)	1.750(44.45)
32	FPH12751-D32SXXX4XXXXXXM	.750(19.05)	.800(20.32)	72	FPH12751-D72SXXX4XXXXXXM	1.750(44.45)	1.800(45.72)
34	FPH12751-D34SXXX4XXXXXXM	.800(20.32)	.850(21.59)	74	FPH12751-D74SXXX4XXXXXXM	1.800(45.72)	1.850(46.99)
36	FPH12751-D36SXXX4XXXXXXM	.850(21.59)	.900(22.86)	76	FPH12751-D76SXXX4XXXXXXM	1.850(46.99)	1.900(48.26)
38	FPH12751-D38SXXX4XXXXXXM	.900(22.86)	.950(24.13)	78	FPH12751-D78SXXX4XXXXXXM	1.900(48.26)	1.950(49.53)
40	FPH12751-D40SXXX4XXXXXXM	.950(24.13)	1.000(25.40)	80	FPH12751-D80SXXX4XXXXXXM	1.950(49.53)	2.000(50.80)
42	FPH12751-D42SXXX4XXXXXXM	1.000(25.40)	1.050(26.67)	100	FPH12751-D100SXXX4XXXXXXM	2.450(62.23)	2.500(63.50)
44	FPH12751-D44SXXX4XXXXXXM	1.050(26.67)	1.100(27.94)				

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	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 17/DEC/19	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)			REV 0
	DESIGN UNITS Inch (metric)	X.X±.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'		

1 2 3 4 5 6 7 8