

1	2	3
Dimensions(in/mm)		
H	F	W
.039(1.00)	.059(1.50)~.069(1.75)	.134(3.40)
.059(1.50)	.079(2.00)~.089(2.25)	
.079(2.00)	.098(2.50)~.108(2.75)	
.098(2.50)	≥.118(3.00)	.118(3.00)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update housing structure	10/OCT/24	MATT	LEO

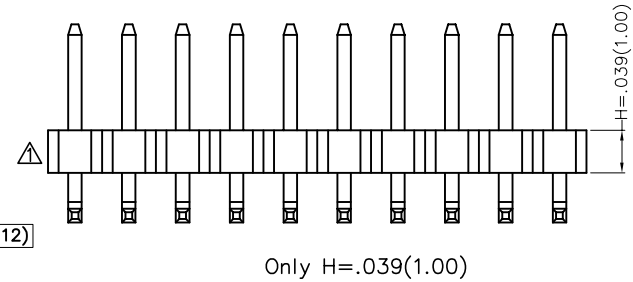
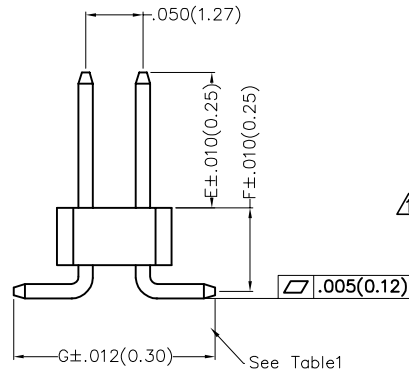
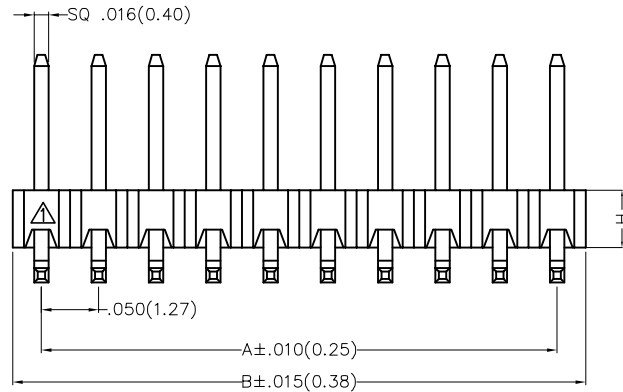
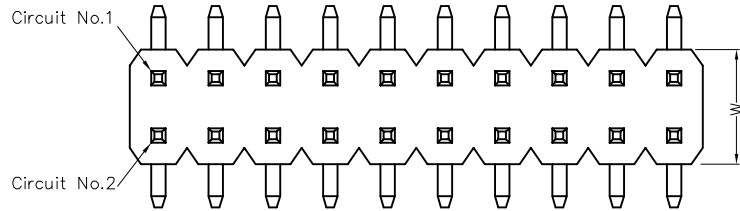
SPECIFICATIONS

Electrical

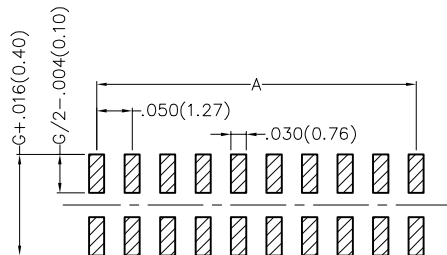
Current Rating:1.0A AC(rms)/DC
Voltage Rating:250V AC(rms)/DC
Contact Resistance:20 mΩ Max
Insulation Resistance:1000 MΩ Min
Withstanding Voltage:600V AC r.m.s
Temperature Range—Operating:−40℃~+105℃

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



Only H=.039(1.00)



Recommended P.C.Board Layout

Ordering Information

FPH	127	46	—	D	XX	S	X	XX	X	XX	XX	XX	M
1	2	3		4	5	6	7	8	9	10	11	12	13

<u>Category</u> FPH—Pin Header	² <u>Series Number</u> 127—Pitch1.27mm	³ <u>Distinction No.</u> 46	⁴ <u>Row Option</u> D—Double Row	⁵ <u>Circuits</u> XX	⁶ <u>Entry Angle</u> S—180° Vertical	⁷ <u>Plating</u> 1—Gold plated 7—Selective gold plated on contact area and matte tin plated on tails area
<u>Thickness of Plating</u> 01—1μ" 15—15μ" Custom plate available	⁹ <u>Material—Resin</u> 3—LCP 4—PA6T 5—PA9T	¹⁰ <u>E Size</u> 01,02...—Serial number (See Table1)	¹¹ <u>F Size</u> 01,02...—Serial number (See Table1)	¹² <u>G Size</u> 01,02...—Serial number (See Table1)	¹³ <u>Packaging</u> M—Reel With Cap	

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12746—DXXSXXXXXXXXXXM	ITEM NO. FPH12746	 Building Technology Cornerstone	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	CHERRY	17/DEC/19	Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)		REV 1	SHEET NO. 1/3
		X.XX±.006(0.15)	.XX'±1°	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			
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°	ZOEY	17/DEC/19				

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

A

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) 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)		

.050(1.27)

L

G

See Table1

D

E

F

		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12746-DXXSXXXXXXXXXXM	ITEM NO. FPH12746		
DESIGN UNITS Inch (metric)		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 1	SHEET NO. 2/3
		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			
		SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°				

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C

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12345678

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
4	FPH12746-D04SXXXXXXXXXM	.050(1.27)	.100(2.54)	44	FPH12746-D44SXXXXXXXXXM	1.050(26.67)	1.100(27.94)
6	FPH12746-D06SXXXXXXXXXM	.100(2.54)	.150(3.81)	46	FPH12746-D46SXXXXXXXXXM	1.100(27.94)	1.150(29.21)
8	FPH12746-D08SXXXXXXXXXM	.150(3.81)	.200(5.08)	48	FPH12746-D48SXXXXXXXXXM	1.150(29.21)	1.200(30.48)
10	FPH12746-D10SXXXXXXXXXM	.200(5.08)	.250(6.35)	50	FPH12746-D50SXXXXXXXXXM	1.200(30.48)	1.250(31.75)
12	FPH12746-D12SXXXXXXXXXM	.250(6.35)	.300(7.62)	52	FPH12746-D52SXXXXXXXXXM	1.250(31.75)	1.300(33.02)
14	FPH12746-D14SXXXXXXXXXM	.300(7.62)	.350(8.89)	54	FPH12746-D54SXXXXXXXXXM	1.300(33.02)	1.350(34.29)
16	FPH12746-D16SXXXXXXXXXM	.350(8.89)	.400(10.16)	56	FPH12746-D56SXXXXXXXXXM	1.350(34.29)	1.400(35.56)
18	FPH12746-D18SXXXXXXXXXM	.400(10.16)	.450(11.43)	58	FPH12746-D58SXXXXXXXXXM	1.400(35.56)	1.450(36.83)
20	FPH12746-D20SXXXXXXXXXM	.450(11.43)	.500(12.70)	60	FPH12746-D60SXXXXXXXXXM	1.450(36.83)	1.500(38.10)
22	FPH12746-D22SXXXXXXXXXM	.500(12.70)	.550(13.97)	62	FPH12746-D62SXXXXXXXXXM	1.500(38.10)	1.550(39.37)
24	FPH12746-D24SXXXXXXXXXM	.550(13.97)	.600(15.24)	64	FPH12746-D64SXXXXXXXXXM	1.550(39.37)	1.600(40.64)
26	FPH12746-D26SXXXXXXXXXM	.600(15.24)	.650(16.51)	66	FPH12746-D66SXXXXXXXXXM	1.600(40.64)	1.650(41.91)
28	FPH12746-D28SXXXXXXXXXM	.650(16.51)	.700(17.78)	68	FPH12746-D68SXXXXXXXXXM	1.650(41.91)	1.700(43.18)
30	FPH12746-D30SXXXXXXXXXM	.700(17.78)	.750(19.05)	70	FPH12746-D70SXXXXXXXXXM	1.700(43.18)	1.750(44.45)
32	FPH12746-D32SXXXXXXXXXM	.750(19.05)	.800(20.32)	72	FPH12746-D72SXXXXXXXXXM	1.750(44.45)	1.800(45.72)
34	FPH12746-D34SXXXXXXXXXM	.800(20.32)	.850(21.59)	74	FPH12746-D74SXXXXXXXXXM	1.800(45.72)	1.850(46.99)
36	FPH12746-D36SXXXXXXXXXM	.850(21.59)	.900(22.86)	76	FPH12746-D76SXXXXXXXXXM	1.850(46.99)	1.900(48.26)
38	FPH12746-D38SXXXXXXXXXM	.900(22.86)	.950(24.13)	78	FPH12746-D78SXXXXXXXXXM	1.900(48.26)	1.950(49.53)
40	FPH12746-D40SXXXXXXXXXM	.950(24.13)	1.00(25.40)	80	FPH12746-D80SXXXXXXXXXM	1.950(49.53)	2.000(50.80)
42	FPH12746-D42SXXXXXXXXXM	1.000(25.40)	1.050(26.67)	100	FPH12746-D100SXXXXXXXXXM	2.450(62.23)	2.500(63.50)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/DEC/19	PART NO. FPH12746-DXXSXXXXXXXXXM	ITEM NO. FPH12746	 Building Technology Cornerstone	
		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			
		X.XX±.006(0.15)	.XX'±1'						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)						SHEET NO. 3/3	

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