

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size change	13/APR/17	KATE	FRANK
2		Structural changes	06/JUL/21	KATE	CHERRY
3		Update tolerance	06/SEP/24	MATT	LEO

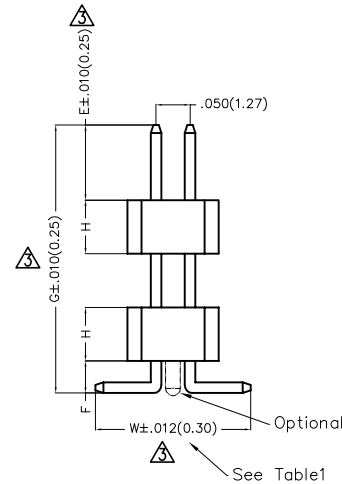
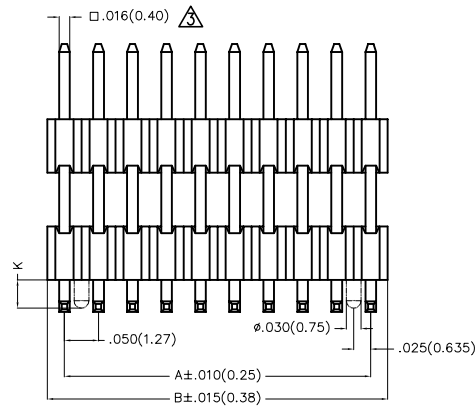
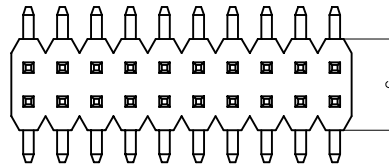
SPECIFICATIONS

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°C~+105°C

Material and Plating

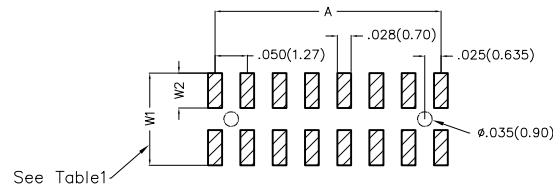
Housing: Glass Filled Polyester (UL 94V-0), Color: Black
Pin: Brass
Pin Plating: Gold plated/ Selective gold in contact area, bright tin on tail



Ordering Information

FPH 127 F2 — D XX S X XX 4 XX M (B 12)

1	Category FPH-Pin Header	2	Series Number 127-Pitch1.27mm	3	Distinction No. F2	4	Row Option D-Double Row	5	Circuits XX	6	Entry Angle S-180° Vertical
7	Plating 1-Gold plated 3-Selective gold in contact area, bright tin on tail	8	Thickness of Plating 01-1μ" 15-15μ" Custom plate available	9	Material-Resin 4-PA6T	10	Size 01,02... -Serial number (See Table1) Custom length available	11	Packaging M-Reel	12	Type B-With Column



Recommended P.C.Board Layout

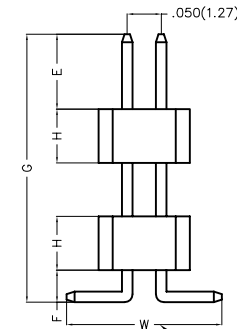
 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/JUN/16	PART NO. FPH127F2-DXXSXXX4XXM(B)	ITEM NO. FPH127F2	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	CHERRY	17/JUN/16	Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)		REV 3	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°	JACOB	17/JUN/16				

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

Table1

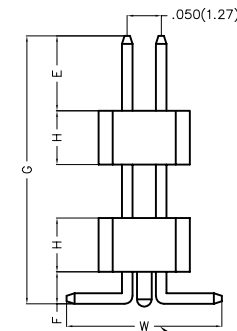
Serial number	Dimensions(In/mm)									Canceled Circuits	Note
	E	F	G	H	C	K	W	W1	W2		
01	.118(3.00)	.020(0.50)	.354(9.00)	.098(2.50)	.118(3.00)	.039(1.00)	.238(6.04)	.254(6.44)	.114(2.90)		
02	.060(1.50)	.020(0.50)	.354(9.00)	.079(2.00)	.118(3.00)	.039(1.00)	.220(5.60)	.236(6.00)	.106(2.70)		
03	.157(4.00)	.020(0.50)	.638(16.20)	.079(2.00)	.118(3.00)	.039(1.00)	.238(6.04)	.254(6.44)	.114(2.90)		
04	.157(4.00)	.020(0.50)	.453(11.50)	.079(2.00)	.118(3.00)	.039(1.00)	.238(6.04)	.254(6.44)	.114(2.90)		
05	.070(1.80)	.008(0.50)	.236(6.30)	.079(2.00)	.118(3.00)	.039(1.00)	.209(5.30)	.228(5.80)	.106(2.70)		
06	.079(2.00)	.020(0.50)	.330(8.40)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
07	.079(2.00)	.020(0.50)	.393(10.00)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
08	.079(2.00)	.020(0.50)	.429(10.90)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
09	.079(2.00)	.020(0.50)	.299(7.60)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
10	.091(2.30)	.020(0.50)	.484(12.30)	.098(2.50)	.118(3.00)	.039(1.00)	.238(6.04)	.254(6.44)	.114(2.90)		
11	.157(4.00)	.020(0.50)	.472(12.00)	.079(2.00)	.118(3.00)	.039(1.00)	.209(5.30)	.228(5.80)	.106(2.70)		
12	.125(3.18)	.051(1.30)	.511(12.98)	.098(2.50)	.118(3.00)	.039(1.00)	.296(7.52)	.312(7.92)	.144(3.66)		
13	.118(3.00)	.020(0.50)	.374(9.50)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
14	.157(4.00)	.020(0.50)	.335(8.50)	.079(2.00)	.118(3.00)	.039(1.00)	.220(5.60)	.236(6.00)	.106(2.70)		
15	.110(2.80)	.024(0.60)	.291(7.40)	.079(2.00)	.118(3.00)	.039(1.00)	.228(5.80)	.244(6.20)	.110(2.80)		
16	.157(4.00)	.028(0.70)	.744(18.90)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
17	.157(4.00)	.020(0.50)	.295(7.50)	.059(1.50)	.134(3.40)	.059(1.50)	.220(5.60)	.236(6.00)	.106(2.70)		
18	.157(4.00)	.020(0.50)	.370(9.40)	.079(2.00)	.118(3.00)	.039(1.00)	.209(5.30)	.228(5.80)	.106(2.70)		
19	.157(4.00)	.020(0.50)	.661(16.80)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		
20	.118(3.00)	.020(0.50)	.295(7.50)	.079(2.00)	.118(3.00)	.039(1.00)	.217(5.50)	.236(6.00)	.106(2.70)		

FPH127F2-DXXSXXX4XXM

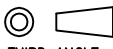


See Table1

FPH127F2-DXXSXXX4XXMB



See Table1

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/JUN/16	PART NO. FPH127F2-DXXSXXX4XXM(B)	ITEM NO. FPH127F2	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE	
		X.X±.008(0.20)	.X'±2"	CHERRY	17/JUN/16	Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)	
		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"	JACOB	17/JUN/16	REV 3	SHEET NO. 2/3

A

B

C

D

E

F

A

B

C

D

E

F

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
2	FPH127F2-D02SXXX4XXM(B)	—	.050(1.27)	44	FPH127F2-D44SXXX4XXM(B)	1.050(26.67)	1.100(27.94)
4	FPH127F2-D04SXXX4XXM(B)	.050(1.27)	.100(2.54)	46	FPH127F2-D46SXXX4XXM(B)	1.100(27.94)	1.150(29.21)
6	FPH127F2-D06SXXX4XXM(B)	.100(2.54)	.150(3.81)	48	FPH127F2-D48SXXX4XXM(B)	1.150(29.21)	1.200(30.48)
8	FPH127F2-D08SXXX4XXM(B)	.150(3.81)	.200(5.08)	50	FPH127F2-D50SXXX4XXM(B)	1.200(30.48)	1.250(31.75)
10	FPH127F2-D10SXXX4XXM(B)	.200(5.08)	.250(6.35)	52	FPH127F2-D52SXXX4XXM(B)	1.250(31.75)	1.300(33.02)
12	FPH127F2-D12SXXX4XXM(B)	.250(6.35)	.300(7.62)	54	FPH127F2-D54SXXX4XXM(B)	1.300(33.02)	1.350(34.29)
14	FPH127F2-D14SXXX4XXM(B)	.300(7.62)	.350(8.89)	56	FPH127F2-D56SXXX4XXM(B)	1.350(34.29)	1.400(35.56)
16	FPH127F2-D16SXXX4XXM(B)	.350(8.89)	.400(10.16)	58	FPH127F2-D58SXXX4XXM(B)	1.400(35.56)	1.450(36.83)
18	FPH127F2-D18SXXX4XXM(B)	.400(10.16)	.450(11.43)	60	FPH127F2-D60SXXX4XXM(B)	1.450(36.83)	1.500(38.10)
20	FPH127F2-D20SXXX4XXM(B)	.450(11.43)	.500(12.70)	62	FPH127F2-D62SXXX4XXM(B)	1.500(38.10)	1.550(39.37)
22	FPH127F2-D22SXXX4XXM(B)	.500(12.70)	.550(13.97)	64	FPH127F2-D64SXXX4XXM(B)	1.550(39.37)	1.600(40.64)
24	FPH127F2-D24SXXX4XXM(B)	.550(13.97)	.600(15.24)	66	FPH127F2-D66SXXX4XXM(B)	1.600(40.64)	1.650(41.91)
26	FPH127F2-D26SXXX4XXM(B)	.600(15.24)	.650(16.51)	68	FPH127F2-D68SXXX4XXM(B)	1.650(41.91)	1.700(43.18)
28	FPH127F2-D28SXXX4XXM(B)	.650(16.51)	.700(17.78)	70	FPH127F2-D70SXXX4XXM(B)	1.700(43.18)	1.750(44.45)
30	FPH127F2-D30SXXX4XXM(B)	.700(17.78)	.750(19.05)	72	FPH127F2-D72SXXX4XXM(B)	1.750(44.45)	1.800(45.72)
32	FPH127F2-D32SXXX4XXM(B)	.750(19.05)	.800(20.32)	74	FPH127F2-D74SXXX4XXM(B)	1.800(45.72)	1.850(46.99)
34	FPH127F2-D34SXXX4XXM(B)	.800(20.32)	.850(21.59)	76	FPH127F2-D76SXXX4XXM(B)	1.850(46.99)	1.900(48.26)
36	FPH127F2-D36SXXX4XXM(B)	.850(21.59)	.900(22.86)	78	FPH127F2-D78SXXX4XXM(B)	1.900(48.26)	1.950(49.53)
38	FPH127F2-D38SXXX4XXM(B)	.900(22.86)	.950(24.13)	80	FPH127F2-D80SXXX4XXM(B)	1.950(49.53)	2.000(50.80)
40	FPH127F2-D40SXXX4XXM(B)	.950(24.13)	1.00(25.40)	100	FPH127F2-D100SXXX4XXM(B)	2.45(62.23)	2.500(63.50)
42	FPH127F2-D42SXXX4XXM(B)	1.000(25.40)	1.050(26.67)				

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17/JUN/16	PART NO. FPH127F2-DXXSXXX4XXM(B)	ITEM NO. FPH127F2	 Leader Of Industry		
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE Board to Board(Pin Header) Pitch 1.27mm 180° Vertical(SMT)				
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X±2°	CHERRY	17/JUN/16			REV 3		SHEET NO. 3/3
		X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE					
		X.XXX±.004(0.10)	.XXX±0.5°	JACOB	17/JUN/16					
SCALE 5:1	SIZE A4					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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