

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



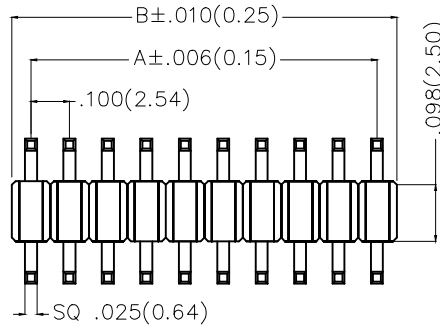
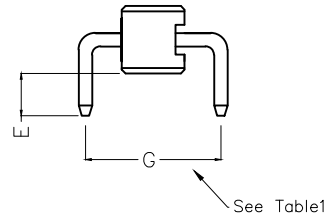
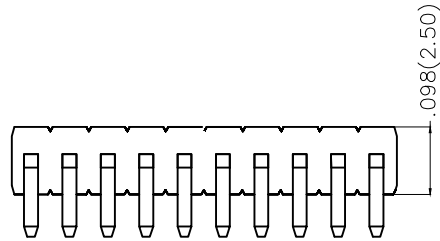
**SPECIFICATIONS**

**Electrical**

Current Rating: 3.0A 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**

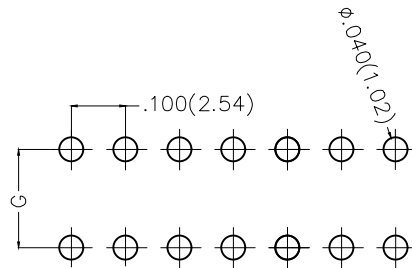
Housing: Glass Filled Polyester (UL 94V-0), Color: Black  
Pin: Brass  
Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



**Ordering Information**

FPH 254 77 - S XX B X XX X XX XX 00 B  
1 2 3 4 5 6 7 8 9 10 11 12

Category FPH-Pin Header	Series Number 254-Pitch2.54mm	Distinction No. 77	Row Option S-Single Row	Circuits XX	Entry Angle B-90° Angle	Plating 1-Gold plated 7-Selective gold plated on contact area and matte tin plated on tails area
Thickness of Plating 01-1μ" 15-15μ" Custom plate available	Material-Resin 1-PBT 4-PA6T	E Size 01,02...-Serial number (See Table1)	G Size 01,02...-Serial number (See Table1)	Packaging B-PE Bag		



Recommended P.C.Board Layout

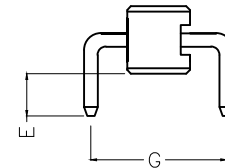
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25477-SXXBXXXXXXXXX00B	ITEM NO. FPH25477	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X'.±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		
SCALE 5:1	SIZE A4	X.XX±.008(0.20) .X'±2'	DRAWN BY ZOEY	DATE 24/DEC/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		X.XX±.006(0.15) .XX'±1'					
		X.XXX±.004(0.10) .XXX'±0.5'					

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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
01	.138(3.50)	19	.315(8.00)
02	.148(3.75)	20	.325(8.25)
03	.157(4.00)	21	.335(8.50)
04	.167(4.25)	22	.344(8.75)
05	.177(4.50)	23	.354(9.00)
06	.187(4.75)	24	.364(9.25)
07	.197(5.00)	25	.374(9.50)
08	.207(5.25)	26	.384(9.75)
09	.217(5.50)	27	.394(10.00)
10	.226(5.75)		
11	.236(6.00)		
12	.246(6.25)		
13	.256(6.50)		
14	.266(6.75)		
15	.276(7.00)		
16	.285(7.25)		
17	.295(7.50)		
18	.305(7.75)		



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25477-SXXBXXXXXXXXX00B	ITEM NO. FPH25477	 3K-KAMING®	
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		
SCALE 5:1	SIZE A4	X.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 24/DEC/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REV 0	SHEET NO. 2/3

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Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
1	FPH25477-S01BXXXXXXXXX00B	-	.100(2.54)	21	FPH25477-S21BXXXXXXXXX00B	2.000(50.80)	2.100(53.34)
2	FPH25477-S02BXXXXXXXXX00B	.100(2.54)	.200(5.08)	22	FPH25477-S22BXXXXXXXXX00B	2.100(53.34)	2.200(55.88)
3	FPH25477-S03BXXXXXXXXX00B	.200(5.08)	.300(7.62)	23	FPH25477-S23BXXXXXXXXX00B	2.200(55.88)	2.300(58.42)
4	FPH25477-S04BXXXXXXXXX00B	.300(7.62)	.400(10.16)	24	FPH25477-S24BXXXXXXXXX00B	2.300(58.42)	2.400(60.96)
5	FPH25477-S05BXXXXXXXXX00B	.400(10.16)	.500(12.70)	25	FPH25477-S25BXXXXXXXXX00B	2.400(60.96)	2.500(63.50)
6	FPH25477-S06BXXXXXXXXX00B	.500(12.70)	.600(15.24)	26	FPH25477-S26BXXXXXXXXX00B	2.500(63.50)	2.600(66.04)
7	FPH25477-S07BXXXXXXXXX00B	.600(15.24)	.700(17.78)	27	FPH25477-S27BXXXXXXXXX00B	2.600(66.04)	2.700(68.58)
8	FPH25477-S08BXXXXXXXXX00B	.700(17.78)	.800(20.32)	28	FPH25477-S28BXXXXXXXXX00B	2.700(68.58)	2.800(71.12)
9	FPH25477-S09BXXXXXXXXX00B	.800(20.32)	.900(22.86)	29	FPH25477-S29BXXXXXXXXX00B	2.800(71.12)	2.900(73.66)
10	FPH25477-S10BXXXXXXXXX00B	.900(22.86)	1.000(25.40)	30	FPH25477-S30BXXXXXXXXX00B	2.900(73.66)	3.000(76.20)
11	FPH25477-S11BXXXXXXXXX00B	1.000(25.40)	1.100(27.94)	31	FPH25477-S31BXXXXXXXXX00B	3.000(76.20)	3.100(78.74)
12	FPH25477-S12BXXXXXXXXX00B	1.100(27.94)	1.200(30.48)	32	FPH25477-S32BXXXXXXXXX00B	3.100(78.74)	3.200(81.28)
13	FPH25477-S13BXXXXXXXXX00B	1.200(30.48)	1.300(33.02)	33	FPH25477-S33BXXXXXXXXX00B	3.200(81.28)	3.300(83.82)
14	FPH25477-S14BXXXXXXXXX00B	1.300(33.02)	1.400(35.56)	34	FPH25477-S34BXXXXXXXXX00B	3.300(83.82)	3.400(86.36)
15	FPH25477-S15BXXXXXXXXX00B	1.400(35.56)	1.500(38.10)	35	FPH25477-S35BXXXXXXXXX00B	3.400(86.36)	3.500(88.90)
16	FPH25477-S16BXXXXXXXXX00B	1.500(38.10)	1.600(40.64)	36	FPH25477-S36BXXXXXXXXX00B	3.500(88.90)	3.600(91.44)
17	FPH25477-S17BXXXXXXXXX00B	1.600(40.64)	1.700(43.18)	37	FPH25477-S37BXXXXXXXXX00B	3.600(91.44)	3.700(93.98)
18	FPH25477-S18BXXXXXXXXX00B	1.700(43.18)	1.800(45.72)	38	FPH25477-S38BXXXXXXXXX00B	3.700(93.98)	3.800(96.52)
19	FPH25477-S19BXXXXXXXXX00B	1.800(45.72)	1.900(48.26)	39	FPH25477-S39BXXXXXXXXX00B	3.800(96.52)	3.900(99.06)
20	FPH25477-S20BXXXXXXXXX00B	1.900(48.26)	2.000(50.80)	40	FPH25477-S40BXXXXXXXXX00B	3.900(99.06)	4.000(101.60)



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	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1'	DRAWN BY ZOEY	DATE 24/DEC/19		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMING) ELECTRONIC PRODUCTS CO.,LTD. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	