

1		2		3		4		5		6		7		8			
Dimensions(in/mm)						REV		LOCATIONS		DESCRIPTION		DATE		REVISED		APPD	
H		H1+H2+H3															
.217(5.50)		.059(1.50)+.079(2.00)+.079(2.00)															
.236(6.00)		.079(2.00)+.079(2.00)+.079(2.00)															
.256(6.50)		.079(2.00)+.079(2.00)+.098(2.50)															
.276(7.00)		.079(2.00)+.098(2.50)+.098(2.50)															
≥.295(7.50)		.098(2.50)+.098(2.50)+.098(2.50)															
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 54 - D XX S X XX X XX XX XX B																	
1 Category 2 Series Number 3 Distinction No. 4 Row Option 5 Circuits 6 Entry Angle 7 Plating																	
FPH-Pin Header 254-Pitch 2.54mm 54 D-Double Row XX S-180° Vertical 1-Gold plated 7-Selective gold plated on contact area and matte tin plated on tails area																	
8 Thickness of Plating 9 Material-Resin 10 E Size 11 F Size 12 H Size 13 Packaging																	
01-1μ" 1-PBT 01,02...-Serial number 01,02...-Serial number 01,02...-Serial number B-PE Bag																	
15-15μ" 4-PA6T (See Table1) (See Table1) (See Table1)																	
Custom plate available																	
THIRD ANGLE PROJECTION																	
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
APPROVE BY FRANK DATE 24/DEC/19																	
CHECKED BY CHERRY DATE 24/DEC/19																	
DRAWN BY ZOEY DATE 24/DEC/19																	
PART NO. FPH25454-DXXSXXXXXXXXXXB ITEM NO. FPH25454																	
TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)																	
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																	
RECOMMENDED P.C.BOARD LAYOUT																	
Circuit No.1																	
Circuit No.2																	
See Table1																	
Recommended P.C.Board Layout																	

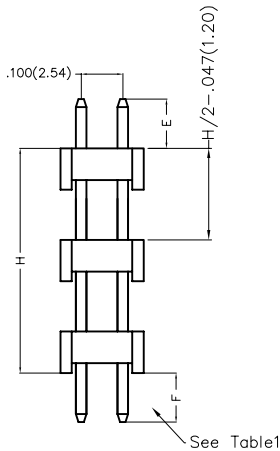
1	2	3	4	5	6	7	8			
					REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

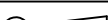
Table1

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	.217(5.50)	19	.571(14.50)
02	.236(6.00)	20	.591(15.00)
03	.256(6.50)	21	.610(15.50)
04	.276(7.00)	22	.630(16.00)
05	.295(7.50)	23	.650(16.50)
06	.315(8.00)	24	.669(17.00)
07	.335(8.50)	25	.689(17.50)
08	.354(9.00)	26	.709(18.00)
09	.374(9.50)	27	.728(18.50)
10	.394(10.00)	28	.748(19.00)
11	.413(10.50)	29	.768(19.50)
12	.433(11.00)	30	.787(20.00)
13	.453(11.50)	31	.807(20.50)
14	.472(12.00)	32	.827(21.00)
15	.492(12.50)	33	.846(21.50)
16	.512(13.00)	34	.866(22.00)
17	.531(13.50)	35	.886(22.50)
18	.551(14.00)	36	.906(23.00)



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25454-DXXSXXXXXXXXXXB	ITEM NO. FPH25454	 3K-KAMING®	
		X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)			
DESIGN UNITS Inch (metric)		X.X±.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
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.X'±1'						
		X.XXX±.004(0.10)	.XXX'±0.5'						

6		7		8	
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	FPH25454-D02SXXXXXXXXXXB	—	.100(2.54)	42	FPH25454-D42SXXXXXXXXXXB	2.000(50.80)	2.100(53.34)
4	FPH25454-D04SXXXXXXXXXXB	.100(2.54)	.200(5.08)	44	FPH25454-D44SXXXXXXXXXXB	2.100(53.34)	2.200(55.88)
6	FPH25454-D06SXXXXXXXXXXB	.200(5.08)	.300(7.62)	46	FPH25454-D46SXXXXXXXXXXB	2.200(55.88)	2.300(58.42)
8	FPH25454-D08SXXXXXXXXXXB	.300(7.62)	.400(10.16)	48	FPH25454-D48SXXXXXXXXXXB	2.300(58.42)	2.400(60.96)
10	FPH25454-D10SXXXXXXXXXXB	.400(10.16)	.500(12.70)	50	FPH25454-D50SXXXXXXXXXXB	2.400(60.96)	2.500(63.50)
12	FPH25454-D12SXXXXXXXXXXB	.500(12.70)	.600(15.24)	52	FPH25454-D52SXXXXXXXXXXB	2.500(63.50)	2.600(66.04)
14	FPH25454-D14SXXXXXXXXXXB	.600(15.24)	.700(17.78)	54	FPH25454-D54SXXXXXXXXXXB	2.600(66.04)	2.700(68.58)
16	FPH25454-D16SXXXXXXXXXXB	.700(17.78)	.800(20.32)	56	FPH25454-D56SXXXXXXXXXXB	2.700(68.58)	2.800(71.12)
18	FPH25454-D18SXXXXXXXXXXB	.800(20.32)	.900(22.86)	58	FPH25454-D58SXXXXXXXXXXB	2.800(71.12)	2.900(73.66)
20	FPH25454-D20SXXXXXXXXXXB	.900(22.86)	1.000(25.40)	60	FPH25454-D60SXXXXXXXXXXB	2.900(73.66)	3.000(76.20)
22	FPH25454-D22SXXXXXXXXXXB	1.000(25.40)	1.100(27.94)	62	FPH25454-D62SXXXXXXXXXXB	3.000(76.20)	3.100(78.74)
24	FPH25454-D24SXXXXXXXXXXB	1.100(27.94)	1.200(30.48)	64	FPH25454-D64SXXXXXXXXXXB	3.100(78.74)	3.200(81.28)
26	FPH25454-D26SXXXXXXXXXXB	1.200(30.48)	1.300(33.02)	66	FPH25454-D66SXXXXXXXXXXB	3.200(81.28)	3.300(83.82)
28	FPH25454-D28SXXXXXXXXXXB	1.300(33.02)	1.400(35.56)	68	FPH25454-D68SXXXXXXXXXXB	3.300(83.82)	3.400(86.36)
30	FPH25454-D30SXXXXXXXXXXB	1.400(35.56)	1.500(38.10)	70	FPH25454-D70SXXXXXXXXXXB	3.400(86.36)	3.500(88.90)
32	FPH25454-D32SXXXXXXXXXXB	1.500(38.10)	1.600(40.64)	72	FPH25454-D72SXXXXXXXXXXB	3.500(88.90)	3.600(91.44)
34	FPH25454-D34SXXXXXXXXXXB	1.600(40.64)	1.700(43.18)	74	FPH25454-D74SXXXXXXXXXXB	3.600(91.44)	3.700(93.98)
36	FPH25454-D36SXXXXXXXXXXB	1.700(43.18)	1.800(45.72)	76	FPH25454-D76SXXXXXXXXXXB	3.700(93.98)	3.800(96.52)
38	FPH25454-D38SXXXXXXXXXXB	1.800(45.72)	1.900(48.26)	78	FPH25454-D78SXXXXXXXXXXB	3.800(96.52)	3.900(99.06)
40	FPH25454-D40SXXXXXXXXXXB	1.900(48.26)	2.000(50.80)	80	FPH25454-D80SXXXXXXXXXXB	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25454-DXXSXXXXXXXXXXB	ITEM NO. FPH25454	 3K-KAMING®	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE	REV 0		
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	CHECKED BY CHERRY	DATE 24/DEC/19	Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)			
SCALE 5:1		X.XX±.006(0.15)	.XX'±1°	DRAWN BY	DATE	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			
SIZE A<		X.XXX±.004(0.10)	.XXX±0.5°	ZOEY	DATE 24/DEC/19				