

Dimensions(in./mm)

H	H1+H2
.118(3.00)	.059(1.50)+.059(1.50)
.138(3.50)	.059(1.50)+.079(2.00)
≧.157(4.00)	.079(2.00)+.079(2.00)



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

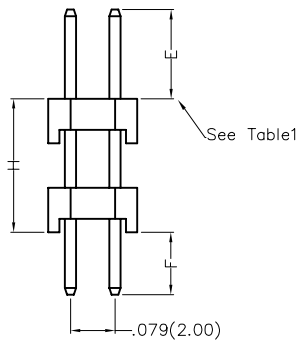
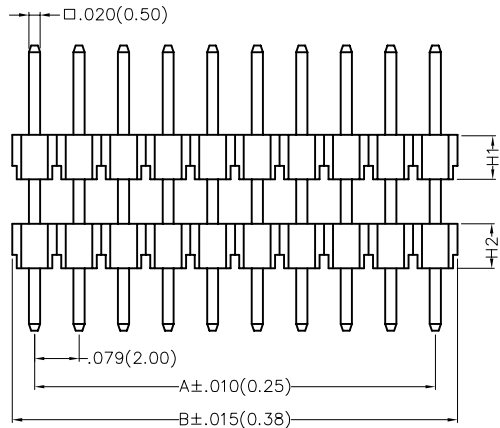
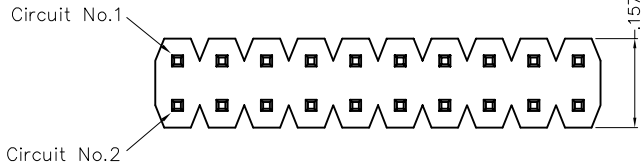
SPECIFICATIONS

Electrical

Current Rating: 2.0A 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

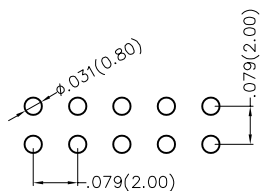
Housing: Glass Filled Polyester (UL 94V-0), Color: Black  
 Pin: Brass  
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Ordering Information

FPH	200	48	-	D	XX	S	X	XX	XX	XX	XX	B	
1	2	3		4	5	6	7	8	9	10	11	12	13

1 <u>Category</u> FPH-Pin Header	2 <u>Series Number</u> 200-Pitch2.00mm	3 <u>Distinction No.</u> 48	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
8 <u>Thickness of Plating</u> 01-1μ" 15-15μ" Custom plate available	9 <u>Material-Resin</u> 1-PBT 4-PA6T	10 <u>E Size</u> 01,02...-Serial number (See Table1)	11 <u>F Size</u> 01,02...-Serial number (See Table1)	12 <u>H Size</u> 01,02...-Serial number (See Table1)	13 <u>Packaging</u> B-PE Bag	



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A<	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20048-DXXSXXXXXXXXXXB	ITEM NO. FPH20048	 3K-KAMING REV 0 SHEET NO. 1/3
	X±.012(0.30)	X:±5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		
	X.X±.008(0.20)	.X±2'	DRAWN BY ZOEY	DATE 23/DEC/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG JUN(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'					

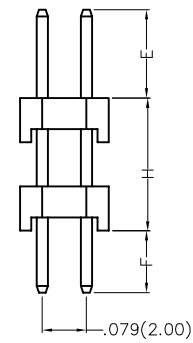
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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	.118(3.00)	19	.472(12.00)
02	.138(3.50)	20	.492(12.50)
03	.157(4.00)	21	.512(13.00)
04	.177(4.50)	22	.531(13.50)
05	.197(5.00)	23	.551(14.00)
06	.217(5.50)	24	.571(14.50)
07	.236(6.00)	25	.591(15.00)
08	.256(6.50)	26	.610(15.50)
09	.276(7.00)	27	.630(16.00)
10	.295(7.50)	28	.650(16.50)
11	.315(8.00)	29	.669(17.00)
12	.335(8.50)	30	.689(17.50)
13	.354(9.00)	31	.709(18.00)
14	.374(9.50)	32	.728(18.50)
15	.394(10.00)	33	.748(19.00)
16	.413(10.50)	34	.768(19.50)
17	.433(11.00)	35	.787(20.00)
18	.453(11.50)		



THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 3K-KAMING REV 0 SHEET NO. 2/3
	X.±.012(0.30)	X'.±5'	FRANK	23/DEC/19	FPH20048-DXXSXXXXXXXXXXB	FPH20048	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		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
SCALE	X.XX±.006(0.15)	.XX'±1'	CHERRY	23/DEC/19	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		
5:1	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE			
SIZE			ZOEY	23/DEC/19			

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	FPH20048-D02SXXXXXXXXXB	—	.079(2.00)	42	FPH20048-D42SXXXXXXXXXB	1.574(40.00)	1.654(42.00)
4	FPH20048-D04SXXXXXXXXXB	.079(2.00)	.157(4.00)	44	FPH20048-D44SXXXXXXXXXB	1.654(42.00)	1.732(44.00)
6	FPH20048-D06SXXXXXXXXXB	.157(4.00)	.236(6.00)	46	FPH20048-D46SXXXXXXXXXB	1.732(44.00)	1.811(46.00)
8	FPH20048-D08SXXXXXXXXXB	.236(6.00)	.315(8.00)	48	FPH20048-D48SXXXXXXXXXB	1.811(46.00)	1.890(48.00)
10	FPH20048-D10SXXXXXXXXXB	.315(8.00)	.394(10.00)	50	FPH20048-D50SXXXXXXXXXB	1.890(48.00)	1.969(50.00)
12	FPH20048-D12SXXXXXXXXXB	.394(10.00)	.472(12.00)	52	FPH20048-D52SXXXXXXXXXB	1.969(50.00)	2.047(52.00)
14	FPH20048-D14SXXXXXXXXXB	.472(12.00)	.551(14.00)	54	FPH20048-D54SXXXXXXXXXB	2.047(52.00)	2.126(54.00)
16	FPH20048-D16SXXXXXXXXXB	.551(14.00)	.630(16.00)	56	FPH20048-D56SXXXXXXXXXB	2.126(54.00)	2.205(56.00)
18	FPH20048-D18SXXXXXXXXXB	.630(16.00)	.709(18.00)	58	FPH20048-D58SXXXXXXXXXB	2.205(56.00)	2.283(58.00)
20	FPH20048-D20SXXXXXXXXXB	.709(18.00)	.787(20.00)	60	FPH20048-D60SXXXXXXXXXB	2.283(58.00)	2.362(60.00)
22	FPH20048-D22SXXXXXXXXXB	.787(20.00)	.866(22.00)	62	FPH20048-D62SXXXXXXXXXB	2.362(60.00)	2.441(62.00)
24	FPH20048-D24SXXXXXXXXXB	.866(22.00)	.945(24.00)	64	FPH20048-D64SXXXXXXXXXB	2.441(62.00)	2.520(64.00)
26	FPH20048-D26SXXXXXXXXXB	.945(24.00)	1.024(26.00)	66	FPH20048-D66SXXXXXXXXXB	2.520(64.00)	2.598(66.00)
28	FPH20048-D28SXXXXXXXXXB	1.024(26.00)	1.102(28.00)	68	FPH20048-D68SXXXXXXXXXB	2.598(66.00)	2.677(68.00)
30	FPH20048-D30SXXXXXXXXXB	1.102(28.00)	1.181(30.00)	70	FPH20048-D70SXXXXXXXXXB	2.677(68.00)	2.756(70.00)
32	FPH20048-D32SXXXXXXXXXB	1.181(30.00)	1.260(32.00)	72	FPH20048-D72SXXXXXXXXXB	2.756(70.00)	2.835(72.00)
34	FPH20048-D34SXXXXXXXXXB	1.260(32.00)	1.339(34.00)	74	FPH20048-D74SXXXXXXXXXB	2.835(72.00)	2.913(74.00)
36	FPH20048-D36SXXXXXXXXXB	1.339(34.00)	1.417(36.00)	76	FPH20048-D76SXXXXXXXXXB	2.913(74.00)	2.992(76.00)
38	FPH20048-D38SXXXXXXXXXB	1.417(36.00)	1.496(38.00)	78	FPH20048-D78SXXXXXXXXXB	2.992(76.00)	3.071(78.00)
40	FPH20048-D40SXXXXXXXXXB	1.496(38.00)	1.574(40.00)	80	FPH20048-D80SXXXXXXXXXB	3.071(78.00)	3.150(80.00)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 3K-KAMING
	X.±.012(0.30)	X.±5'	FRANK	23/DEC/19	FPH20048-DXXSXXXXXXXXXB	FPH20048	
	DESIGN UNITS Inch (metric)		CHECKED BY	DATE	TITLE		
	X.X±.008(0.20)	X.±2'	CHERRY	23/DEC/19	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1'	DRAWN BY	DATE	REV 0	SHEET NO. 3/3
		X.XXX±.004(0.10)	.XXX±0.5'	ZOEY	23/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	