

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)
.177(4.50)	.079(2.00)+.098(2.50)
≥.197(5.00)	.098(2.50)+.098(2.50)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

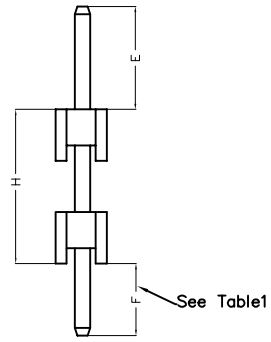
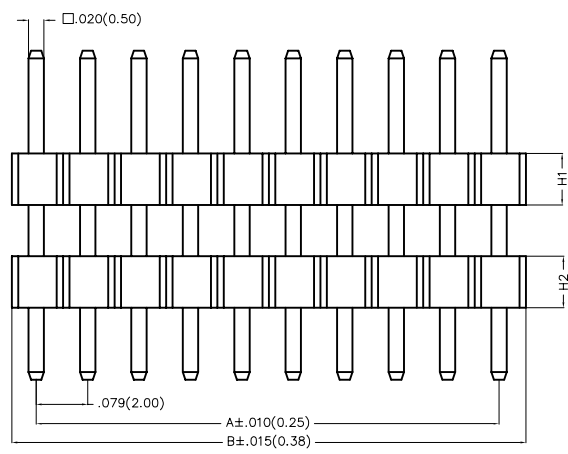
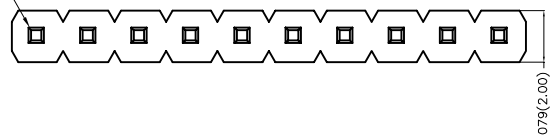


SPECIFICATIONS

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

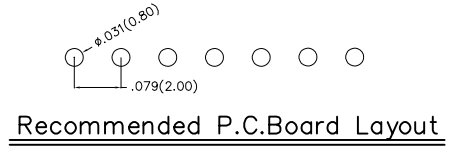
Circuit No.1



Ordering Information

FPH 200 45 - S XX S X XX X XX XX XX B
 1 2 3 4 5 6 7 8 9 10 11 12 13

1 Category FPH-Pin Header	2 Series Number 200-Pitch 2.00mm	3 Distinction No. 45	4 Row Option S-Single Row	5 Circuits XX	6 Entry Angle S-180° Vertical	7 Plating 1-Gold plated 7-Selective gold plated on contact area and matte tin plated on tails area
8 Thickness of Plating 01-1μ" 15-15μ" Custom plate available	9 Material-Resin 1-PBT 4-PA6T	10 E Size 01,02...-Serial number (See Table1)	11 F Size 01,02...-Serial number (See Table1)	12 H Size 01,02...-Serial number (See Table1)	13 Packaging B-PE Bag	



 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20045-SXXSXXXXXXXXXB	ITEM NO. FPH20045	 3K-KAMI NG 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.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 23/DEC/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO DONG GUAN LANG LUN(3K-KAMI NG) 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'					

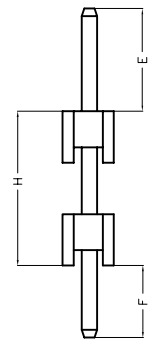
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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)		



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>3K-KAMING</p>
	X.±.012(0.30)	X'.±5'	FRANK	23/DEC/19	FPH20045-SXXSXXXXXXXXXXB	FPH20045	
DESIGN UNITS	X.X±.008(0.20)	X'±2'	CHECKED BY	DATE	TITLE		REV 0 SHEET NO. 2/3
Inch (metric)	X.XX±.006(0.15)	.XX±1'	CHERRY	23/DEC/19	Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(DIP)		
SCALE	X.XXX±.004(0.10)	.XXX±0.5'	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		
5:1			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
1	FPH20045-S01SXXXXXXXXXB	—	.079(2.00)	21	FPH20045-S21SXXXXXXXXXB	1.574(40.00)	1.654(42.00)
2	FPH20045-S02SXXXXXXXXXB	.079(2.00)	.157(4.00)	22	FPH20045-S22SXXXXXXXXXB	1.654(42.00)	1.732(44.00)
3	FPH20045-S03SXXXXXXXXXB	.157(4.00)	.236(6.00)	23	FPH20045-S23SXXXXXXXXXB	1.732(44.00)	1.811(46.00)
4	FPH20045-S04SXXXXXXXXXB	.236(6.00)	.315(8.00)	24	FPH20045-S24SXXXXXXXXXB	1.811(46.00)	1.890(48.00)
5	FPH20045-S05SXXXXXXXXXB	.315(8.00)	.394(10.00)	25	FPH20045-S25SXXXXXXXXXB	1.890(48.00)	1.969(50.00)
6	FPH20045-S06SXXXXXXXXXB	.394(10.00)	.472(12.00)	26	FPH20045-S26SXXXXXXXXXB	1.969(50.00)	2.047(52.00)
7	FPH20045-S07SXXXXXXXXXB	.472(12.00)	.551(14.00)	27	FPH20045-S27SXXXXXXXXXB	2.047(52.00)	2.126(54.00)
8	FPH20045-S08SXXXXXXXXXB	.551(14.00)	.630(16.00)	28	FPH20045-S28SXXXXXXXXXB	2.126(54.00)	2.205(56.00)
9	FPH20045-S09SXXXXXXXXXB	.630(16.00)	.709(18.00)	29	FPH20045-S29SXXXXXXXXXB	2.205(56.00)	2.283(58.00)
10	FPH20045-S10SXXXXXXXXXB	.709(18.00)	.787(20.00)	30	FPH20045-S30SXXXXXXXXXB	2.283(58.00)	2.362(60.00)
11	FPH20045-S11SXXXXXXXXXB	.787(20.00)	.866(22.00)	31	FPH20045-S31SXXXXXXXXXB	2.362(60.00)	2.441(62.00)
12	FPH20045-S12SXXXXXXXXXB	.866(22.00)	.945(24.00)	32	FPH20045-S32SXXXXXXXXXB	2.441(62.00)	2.520(64.00)
13	FPH20045-S13SXXXXXXXXXB	.945(24.00)	1.024(26.00)	33	FPH20045-S33SXXXXXXXXXB	2.520(64.00)	2.598(66.00)
14	FPH20045-S14SXXXXXXXXXB	1.024(26.00)	1.102(28.00)	34	FPH20045-S34SXXXXXXXXXB	2.598(66.00)	2.677(68.00)
15	FPH20045-S15SXXXXXXXXXB	1.102(28.00)	1.181(30.00)	35	FPH20045-S35SXXXXXXXXXB	2.677(68.00)	2.756(70.00)
16	FPH20045-S16SXXXXXXXXXB	1.181(30.00)	1.260(32.00)	36	FPH20045-S36SXXXXXXXXXB	2.756(70.00)	2.835(72.00)
17	FPH20045-S17SXXXXXXXXXB	1.260(32.00)	1.339(34.00)	37	FPH20045-S37SXXXXXXXXXB	2.835(72.00)	2.913(74.00)
18	FPH20045-S18SXXXXXXXXXB	1.339(34.00)	1.417(36.00)	38	FPH20045-S38SXXXXXXXXXB	2.913(74.00)	2.992(76.00)
19	FPH20045-S19SXXXXXXXXXB	1.417(36.00)	1.496(38.00)	39	FPH20045-S39SXXXXXXXXXB	2.992(76.00)	3.071(78.00)
20	FPH20045-S20SXXXXXXXXXB	1.496(38.00)	1.574(40.00)	40	FPH20045-S40SXXXXXXXXXB	3.071(78.00)	3.150(80.00)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20045-SXXSXXXXXXXXXB	ITEM NO. FPH20045	 3K-KAMING®	
	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)			REV 0 SHEET NO. 3/3
	X.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 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			
	X.XX±.006(0.15)	.XX'±1'						
SCALE 5:1	SIZE A<	X.XXX±.004(0.10)	.XXX'±0.5'					