

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

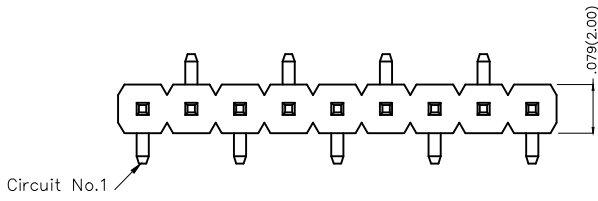
Material
 Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area

A

A

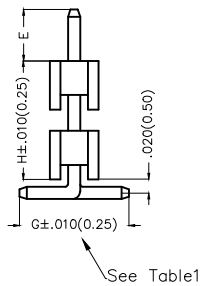
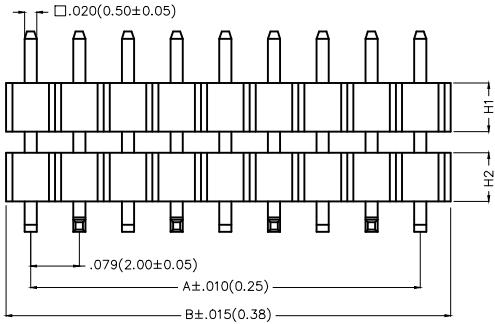
B

B



C

C



D

D

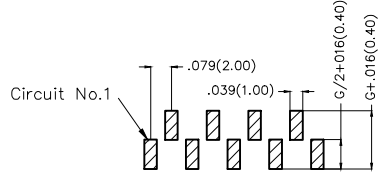
Ordering Information

FPH 200 68 - S XX S X XX 4 XX XX XX X
 1 2 3 4 5 6 7 8 9 10 11 12 13

1 Category FPH-Pin Header	2 Series Number 200-Pitch2.00mm	3 Distinction No. 68	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
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E

E



Recommended P.C.Board Layout

8 Thickness of Plating 01-1μ" 15-15μ" Custom plate available	9 Material-Resin 4-PA6T	10 E Size 01,02...-Serial number (See Table1)	11 G Size 01,02...-Serial number (See Table1)	12 H Size 01,02...-Serial number (See Table1)	13 Packaging M-Reel L-Tube
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F

F

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20068-SXXSXXX4XXXXXXX	ITEM NO. FPH20068	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)	
SCALE 5:1	SIZE A4	X.XX±.008(0.20)	X.'±2'	DRAWN BY ZOEY	DATE 23/DEC/19	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		X.XX±.006(0.15)	.XX'±1'			REV 0	SHEET NO. 1/3
		X.XXX±.004(0.10)	.XXX'±0.5'				

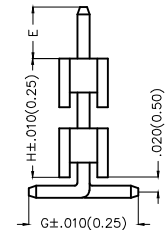
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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) G	Serial number	Dimensions (in/mm) G
03	.138(3.50)	17	.276(7.00)
04	.148(3.75)	18	.285(7.25)
05	.157(4.00)	19	.295(7.50)
06	.167(4.25)	20	.305(7.75)
07	.177(4.50)	21	.315(8.00)
08	.187(4.75)	22	.325(8.25)
09	.197(5.00)	23	.335(8.50)
10	.207(5.25)	24	.344(8.75)
11	.217(5.50)	25	.354(9.00)
12	.226(5.75)	26	.364(9.25)
13	.236(6.00)	27	.374(9.50)
14	.246(6.25)	28	.384(9.75)
15	.256(6.50)	29	.394(10.00)
16	.266(6.75)		

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>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 23/DEC/19</p>	<p>PART NO. FPH20068-SXXSXXX4XXXXXXX</p>	<p>ITEM NO. FPH20068</p>	<p>Leader Of Industry</p>	
	<p>DESIGN UNITS Inch (metric)</p>	<p>X.±.012(0.30)</p>	<p>X.'±5'</p>	<p>CHECKED BY CHERRY</p>	<p>DATE 23/DEC/19</p>	<p>TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)</p>		<p>REV 0</p>
	<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.008(0.20)</p>	<p>.X'±2'</p>	<p>DRAWN BY ZOEY</p>	<p>DATE 23/DEC/19</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>	

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

C

C

D

D



E

E

F

F

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FPH20068-S02SXXX4XXXXXXX	.079(2.00)	.157(4.00)	22	FPH20068-S22SXXX4XXXXXXX	1.654(42.00)	1.732(44.00)
3	FPH20068-S03SXXX4XXXXXXX	.157(4.00)	.236(6.00)	23	FPH20068-S23SXXX4XXXXXXX	1.732(44.00)	1.811(46.00)
4	FPH20068-S04SXXX4XXXXXXX	.236(6.00)	.315(8.00)	24	FPH20068-S24SXXX4XXXXXXX	1.811(46.00)	1.890(48.00)
5	FPH20068-S05SXXX4XXXXXXX	.315(8.00)	.394(10.00)	25	FPH20068-S25SXXX4XXXXXXX	1.890(48.00)	1.969(50.00)
6	FPH20068-S06SXXX4XXXXXXX	.394(10.00)	.472(12.00)	26	FPH20068-S26SXXX4XXXXXXX	1.969(50.00)	2.047(52.00)
7	FPH20068-S07SXXX4XXXXXXX	.472(12.00)	.551(14.00)	27	FPH20068-S27SXXX4XXXXXXX	2.047(52.00)	2.126(54.00)
8	FPH20068-S08SXXX4XXXXXXX	.551(14.00)	.630(16.00)	28	FPH20068-S28SXXX4XXXXXXX	2.126(54.00)	2.205(56.00)
9	FPH20068-S09SXXX4XXXXXXX	.630(16.00)	.709(18.00)	29	FPH20068-S29SXXX4XXXXXXX	2.205(56.00)	2.283(58.00)
10	FPH20068-S10SXXX4XXXXXXX	.709(18.00)	.787(20.00)	30	FPH20068-S30SXXX4XXXXXXX	2.283(58.00)	2.362(60.00)
11	FPH20068-S11SXXX4XXXXXXX	.787(20.00)	.866(22.00)	31	FPH20068-S31SXXX4XXXXXXX	2.362(60.00)	2.441(62.00)
12	FPH20068-S12SXXX4XXXXXXX	.866(22.00)	.945(24.00)	32	FPH20068-S32SXXX4XXXXXXX	2.441(62.00)	2.520(64.00)
13	FPH20068-S13SXXX4XXXXXXX	.945(24.00)	1.024(26.00)	33	FPH20068-S33SXXX4XXXXXXX	2.520(64.00)	2.598(66.00)
14	FPH20068-S14SXXX4XXXXXXX	1.024(26.00)	1.102(28.00)	34	FPH20068-S34SXXX4XXXXXXX	2.598(66.00)	2.677(68.00)
15	FPH20068-S15SXXX4XXXXXXX	1.102(28.00)	1.181(30.00)	35	FPH20068-S35SXXX4XXXXXXX	2.677(68.00)	2.756(70.00)
16	FPH20068-S16SXXX4XXXXXXX	1.181(30.00)	1.260(32.00)	36	FPH20068-S36SXXX4XXXXXXX	2.756(70.00)	2.835(72.00)
17	FPH20068-S17SXXX4XXXXXXX	1.260(32.00)	1.339(34.00)	37	FPH20068-S37SXXX4XXXXXXX	2.835(72.00)	2.913(74.00)
18	FPH20068-S18SXXX4XXXXXXX	1.339(34.00)	1.417(36.00)	38	FPH20068-S38SXXX4XXXXXXX	2.913(74.00)	2.992(76.00)
19	FPH20068-S19SXXX4XXXXXXX	1.417(36.00)	1.496(38.00)	39	FPH20068-S39SXXX4XXXXXXX	2.992(76.00)	3.071(78.00)
20	FPH20068-S20SXXX4XXXXXXX	1.496(38.00)	1.574(40.00)	40	FPH20068-S40SXXX4XXXXXXX	3.071(78.00)	3.150(80.00)
21	FPH20068-S21SXXX4XXXXXXX	1.574(40.00)	1.654(42.00)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20068-SXXSXXX4XXXXXXX	ITEM NO. FPH20068	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X.±5' X.±2' .XX±1' .XXX±0.5'	CHECKED BY CHERRY	DATE 23/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.00mm 180° Vertical(SMT)		REV 0
SCALE 5:1	SIZE A4	DRAWN BY ZOEY		DATE 23/DEC/19	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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