

1 2 3 4 5 6 7 8

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
1	△	Update tolerance	09/JAN/24	MATT	LEO

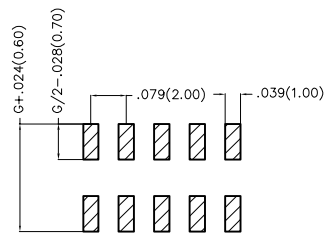
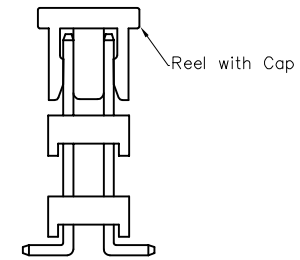
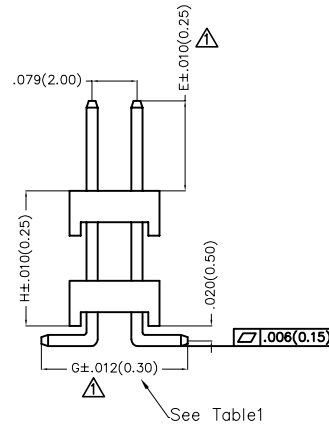
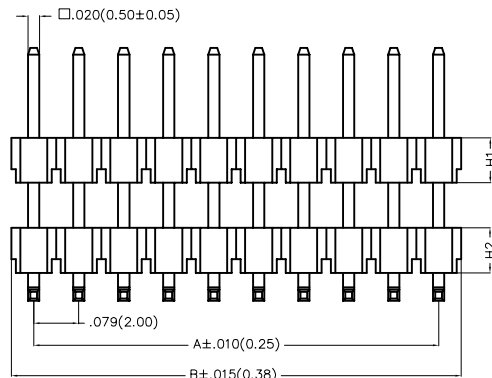
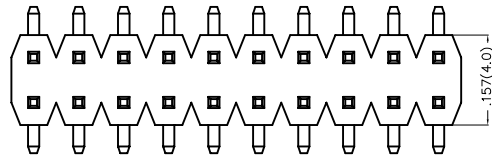
SPECIFICATIONS

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



Recommended P.C.Board Layout

FPH 200 71 - D XX S X XX 4 XX XX XX X
 1 2 3 4 5 6 7 8 9 10 11 12 13

Category FPH—Pin Header	2 Series Number 200—Pitch 2.00mm	3 Distinction No. 71	4 Row Option D—Double 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 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
---	----------------------------	---	---	---	----------------------------------

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20071-DXXSXX4XXXXXX	ITEM NO. FPH20071	
	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±.006(0.15) .XX'±1'	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.XXX±.004(0.10) .XX'±0.5'			REV 1	SHEET NO. 1/3	

1 2 3 4 5 6 7 8

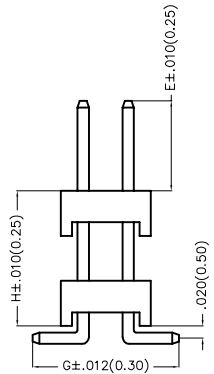
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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) G
05	.217(5.50)
06	.226(5.75)
07	.236(6.00)
08	.246(6.25)
09	.256(6.50)
10	.266(6.75)
11	.276(7.00)
12	.285(7.25)
13	.295(7.50)
14	.305(7.75)
15	.315(8.00)
16	.325(8.25)
17	.335(8.50)
18	.344(8.75)
19	.354(9.00)
20	.364(9.25)
21	.374(9.50)
22	.384(9.75)
23	.394(10.00)

Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H
01	.118(3.00)	21	.512(13.00)	41	.906(23.00)	61	1.299(33.00)
02	.138(3.50)	22	.531(13.50)	42	.925(23.50)	62	1.319(33.50)
03	.157(4.00)	23	.551(14.00)	43	.945(24.00)	63	1.339(34.00)
04	.177(4.50)	24	.571(14.50)	44	.965(24.50)	64	1.358(34.50)
05	.197(5.00)	25	.591(15.00)	45	.984(25.00)	65	1.378(35.00)
06	.217(5.50)	26	.610(15.50)	46	1.004(25.50)	66	1.398(35.50)
07	.236(6.00)	27	.630(16.00)	47	1.024(26.00)	67	1.417(36.00)
08	.256(6.50)	28	.650(16.50)	48	1.043(26.50)		
09	.276(7.00)	29	.669(17.00)	49	1.063(27.00)		
10	.295(7.50)	30	.689(17.50)	50	1.083(27.50)		
11	.315(8.00)	31	.709(18.00)	51	1.102(28.00)		
12	.335(8.50)	32	.728(18.50)	52	1.122(28.50)		
13	.354(9.00)	33	.748(19.00)	53	1.142(29.00)		
14	.374(9.50)	34	.768(19.50)	54	1.161(29.50)		
15	.394(10.00)	35	.787(20.00)	55	1.181(30.00)		
16	.413(10.50)	36	.807(20.50)	56	1.201(30.50)		
17	.433(11.00)	37	.827(21.00)	57	1.220(31.00)		
18	.453(11.50)	38	.846(21.50)	58	1.240(31.50)		
19	.472(12.00)	39	.866(22.00)	59	1.260(32.00)		
20	.492(12.50)	40	.886(22.50)	60	1.280(32.50)		





A
B
C
D
E
F

A
B
C
D
E
F

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20071-DXXSXXX4XXXXXX	ITEM NO. FPH20071	<p>Building Technology Cornerstone</p>	
	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)	REV 1		SHEET NO. 2/3
	DESIGN UNITS Inch (metric)	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		
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	X.XXX±.004(0.10)			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
4	FPH20071-D04SXXX4XXXXXX	.079(2.00)	.157(4.00)	44	FPH20071-D44SXXX4XXXXXX	1.654(42.00)	1.732(44.00)
6	FPH20071-D06SXXX4XXXXXX	.157(4.00)	.236(6.00)	46	FPH20071-D46SXXX4XXXXXX	1.732(44.00)	1.811(46.00)
8	FPH20071-D08SXXX4XXXXXX	.236(6.00)	.315(8.00)	48	FPH20071-D48SXXX4XXXXXX	1.811(46.00)	1.890(48.00)
10	FPH20071-D10SXXX4XXXXXX	.315(8.00)	.394(10.00)	50	FPH20071-D50SXXX4XXXXXX	1.890(48.00)	1.969(50.00)
12	FPH20071-D12SXXX4XXXXXX	.394(10.00)	.472(12.00)	52	FPH20071-D52SXXX4XXXXXX	1.969(50.00)	2.047(52.00)
14	FPH20071-D14SXXX4XXXXXX	.472(12.00)	.551(14.00)	54	FPH20071-D54SXXX4XXXXXX	2.047(52.00)	2.126(54.00)
16	FPH20071-D16SXXX4XXXXXX	.551(14.00)	.630(16.00)	56	FPH20071-D56SXXX4XXXXXX	2.126(54.00)	2.205(56.00)
18	FPH20071-D18SXXX4XXXXXX	.630(16.00)	.709(18.00)	58	FPH20071-D58SXXX4XXXXXX	2.205(56.00)	2.283(58.00)
20	FPH20071-D20SXXX4XXXXXX	.709(18.00)	.787(20.00)	60	FPH20071-D60SXXX4XXXXXX	2.283(58.00)	2.362(60.00)
22	FPH20071-D22SXXX4XXXXXX	.787(20.00)	.866(22.00)	62	FPH20071-D62SXXX4XXXXXX	2.362(60.00)	2.441(62.00)
24	FPH20071-D24SXXX4XXXXXX	.866(22.00)	.945(24.00)	64	FPH20071-D64SXXX4XXXXXX	2.441(62.00)	2.520(64.00)
26	FPH20071-D26SXXX4XXXXXX	.945(24.00)	1.024(26.00)	66	FPH20071-D66SXXX4XXXXXX	2.520(64.00)	2.598(66.00)
28	FPH20071-D28SXXX4XXXXXX	1.024(26.00)	1.102(28.00)	68	FPH20071-D68SXXX4XXXXXX	2.598(66.00)	2.677(68.00)
30	FPH20071-D30SXXX4XXXXXX	1.102(28.00)	1.181(30.00)	70	FPH20071-D70SXXX4XXXXXX	2.677(68.00)	2.756(70.00)
32	FPH20071-D32SXXX4XXXXXX	1.181(30.00)	1.260(32.00)	72	FPH20071-D72SXXX4XXXXXX	2.756(70.00)	2.835(72.00)
34	FPH20071-D34SXXX4XXXXXX	1.260(32.00)	1.339(34.00)	74	FPH20071-D74SXXX4XXXXXX	2.835(72.00)	2.913(74.00)
36	FPH20071-D36SXXX4XXXXXX	1.339(34.00)	1.417(36.00)	76	FPH20071-D76SXXX4XXXXXX	2.913(74.00)	2.992(76.00)
38	FPH20071-D38SXXX4XXXXXX	1.417(36.00)	1.496(38.00)	78	FPH20071-D78SXXX4XXXXXX	2.992(76.00)	3.071(78.00)
40	FPH20071-D40SXXX4XXXXXX	1.496(38.00)	1.574(40.00)	80	FPH20071-D80SXXX4XXXXXX	3.071(78.00)	3.150(80.00)
42	FPH20071-D42SXXX4XXXXXX	1.574(40.00)	1.654(42.00)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 23/DEC/19	PART NO. FPH20071-DXXSXXX4XXXXXX	ITEM NO. FPH20071	 Building Technology Cornerstone	
	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)		
		X.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 23/DEC/19	REV 1 SHEET NO. 3/3		
		X.XX±.006(0.15)	.XX'±1'			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'					