

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

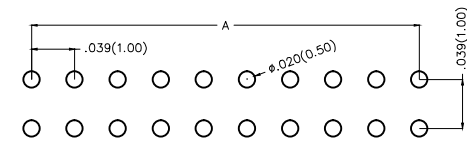
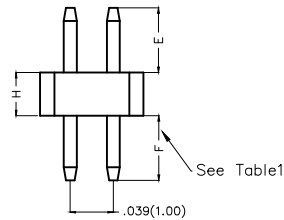
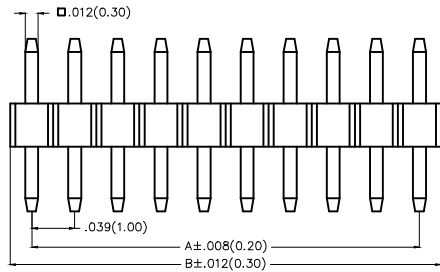
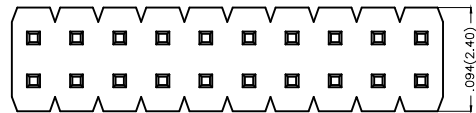
SPECIFICATIONS

Electrical

Current Rating: 1.0A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 1000 MΩ Min
Withstanding Voltage: 300V 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 in contact area, bright tin on tail



Recommended P.C.Board Layout

Ordering Information

FPH 100 21 - D XX S X XX 4 XX B
1 2 3 4 5 6 7 8 9 10 11

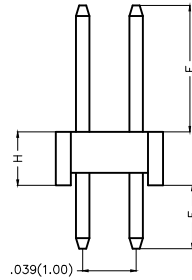
1 <u>Category</u> FPH—Pin Header	2 <u>Series Number</u> 100—Pitch1.00mm	3 <u>Distinction No.</u> 21	4 <u>Row Option</u> D—Double Row	5 <u>Circuits</u> XX	6 <u>Entry Angle</u> S—180° Vertical
7 <u>Plating</u> 1—Gold plated 3—Selective gold in contact area, bright tin on tail	8 <u>Thickness of Plating</u> 01—1μ" 15—15μ" Custom plate available	9 <u>Material—Resin</u> 4—PA6T	10 <u>Size</u> 01,02... —Serial number (See Table1) Custom length available	11 <u>Packaging</u> B—PE Bag	

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 25/JUN/13</p>	<p>PART NO. FPH10021-DXXSXX4XXB</p>	<p>ITEM NO. FPH10021</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 25/JUN/13</p>	<p>TITLE Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(DIP)</p>		<p>REV 0</p>
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15)</p>	<p>.XX±1'</p>	<p>DRAWN BY JACOB</p>	<p>DATE 25/JUN/13</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>		

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Table1



Serial number	Dimensions(in/mm)			Canceled Circuits	Note
	E	F	H		
01	.071(1.80)	.051(1.30)	.039(1.00)	—	
02	.079(2.00)	.157(4.00)	.039(1.00)	—	
03	.118(3.00)	.146(3.70)	.079(2.00)	—	
04	.177(4.50)	.118(3.00)	.079(2.00)	—	



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FPH10021-DXXSXX4XXB	ITEM NO. FPH10021	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5' .X'±2'	CHECKED BY CHERRY	DATE 25/JUN/13	TITLE Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(DIP)		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX'±1' .XXX'±0.5'	DRAWN BY JACOB	DATE 25/JUN/13	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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Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FPH10021-D02SXXX4XXB	—	.039(1.00)	42	FPH10021-D42SXXX4XXB	.787(20.00)	.827(21.00)
4	FPH10021-D04SXXX4XXB	.039(1.00)	.079(2.00)	44	FPH10021-D44SXXX4XXB	.827(21.00)	.866(22.00)
6	FPH10021-D06SXXX4XXB	.079(2.00)	.118(3.00)	46	FPH10021-D47SXXX4XXB	.866(22.00)	.906(23.00)
8	FPH10021-D08SXXX4XXB	.118(3.00)	.157(4.00)	48	FPH10021-D48SXXX4XXB	.906(23.00)	.945(24.00)
10	FPH10021-D10SXXX4XXB	.157(4.00)	.197(5.00)	50	FPH10021-D50SXXX4XXB	.945(24.00)	.984(25.00)
12	FPH10021-D12SXXX4XXB	.197(5.00)	.236(6.00)	52	FPH10021-D52SXXX4XXB	.984(25.00)	1.024(26.00)
14	FPH10021-D14SXXX4XXB	.236(6.00)	.276(7.00)	54	FPH10021-D54SXXX4XXB	1.024(26.00)	1.063(27.00)
16	FPH10021-D16SXXX4XXB	.276(7.00)	.315(8.00)	56	FPH10021-D56SXXX4XXB	1.063(27.00)	1.102(28.00)
18	FPH10021-D18SXXX4XXB	.315(8.00)	.354(9.00)	58	FPH10021-D58SXXX4XXB	1.102(28.00)	1.142(29.00)
20	FPH10021-D20SXXX4XXB	.354(9.00)	.394(10.00)	60	FPH10021-D60SXXX4XXB	1.142(29.00)	1.181(30.00)
22	FPH10021-D22SXXX4XXB	.394(10.00)	.443(11.00)	62	FPH10021-D62SXXX4XXB	1.181(30.00)	1.220(31.00)
24	FPH10021-D24SXXX4XXB	.443(11.00)	.472(12.00)	64	FPH10021-D64SXXX4XXB	1.220(31.00)	1.260(32.00)
26	FPH10021-D26SXXX4XXB	.472(12.00)	.512(13.00)	66	FPH10021-D66SXXX4XXB	1.260(32.00)	1.130(33.00)
28	FPH10021-D28SXXX4XXB	.512(13.00)	.551(14.00)	68	FPH10021-D68SXXX4XXB	1.130(33.00)	1.339(34.00)
30	FPH10021-D30SXXX4XXB	.551(14.00)	.591(15.00)	70	FPH10021-D70SXXX4XXB	1.339(34.00)	1.379(35.00)
32	FPH10021-D32SXXX4XXB	.591(15.00)	.630(16.00)	72	FPH10021-D72SXXX4XXB	1.379(35.00)	1.417(36.00)
34	FPH10021-D34SXXX4XXB	.630(16.00)	.669(17.00)	74	FPH10021-D74SXXX4XXB	1.417(36.00)	1.457(37.00)
36	FPH10021-D36SXXX4XXB	.669(17.00)	.709(18.00)	76	FPH10021-D76SXXX4XXB	1.457(37.00)	1.497(38.00)
38	FPH10021-D38SXXX4XXB	.709(18.00)	.748(19.00)	78	FPH10021-D78SXXX4XXB	1.497(38.00)	1.535(39.00)
40	FPH10021-D40SXXX4XXB	.748(19.00)	.787(20.00)	80	FPH10021-D80SXXX4XXB	1.535(39.00)	1.575(40.00)

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	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 25/JUN/13	TITLE Board to Board(Pin Header) Pitch 1.00mm 180° Vertical(DIP)		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.±2'	DRAWN BY JACOB	DATE 25/JUN/13	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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