

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

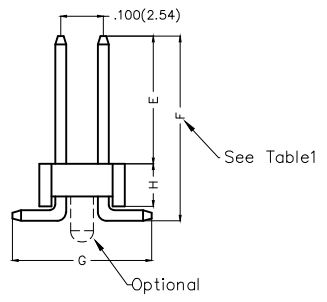
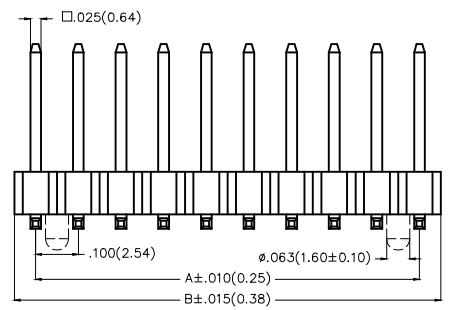
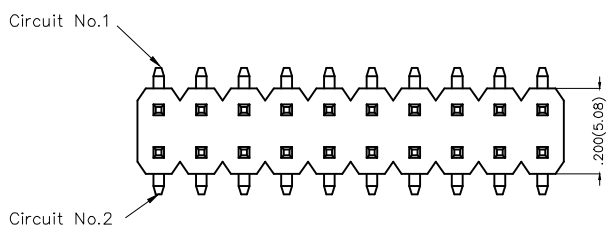
SPECIFICATIONS

Electrical

Current Rating: 3.0A 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

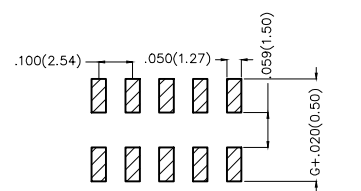
Material

Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold in contact area, tin on tail

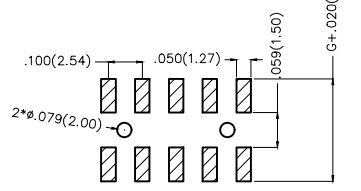


Ordering Information

FPH 254 S2 - D XX S X XX 4 XX M X
 1 2 3 4 5 6 7 8 9 10 11 12



Recommended P.C.Board Layout Type A



Recommended P.C.Board Layout Type B

1	Category FPH—Pin Header	2	Series Number 254—Pitch 2.54mm	3	Distinction No. S2	4	Row Option D—Double Row	5	Circuits XX	6	Entry Angle S—180° Vertical
7	Plating 1—Gold plated 3—Selective gold in contact area, tin on tail	8	Thickness of Plating 01—1μ" 15—15μ" Custom plate available	9	Material—Resin 4—PA6T	10	Size 01,02... —Serial number (See Table1) Custom length available	11	Packaging M—Reel	12	Type A—Type A B—Type B

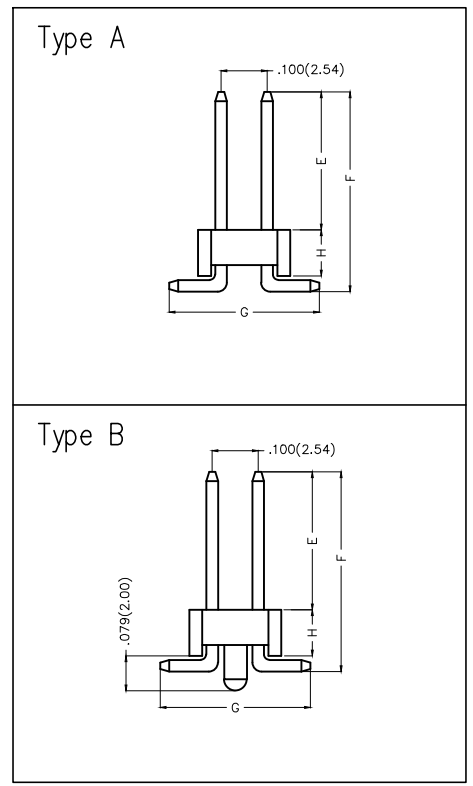
<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 29/JUL/13	PART NO. FPH254S2-DXXSXX4XXMX	ITEM NO. FPH254S2	<p>Leader Of Industry</p>	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X.'±5' .X'±2' .XX'±1' .XXX'±0.5'	CHECKED BY CHERRY	DATE 29/JUL/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)		REV 0
SCALE 5:1	SIZE A4	DRAWN BY JACOB		DATE 29/JUL/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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A Table1

Serial number	Dimensions(in/mm)				Canceled Circuits	Note	Type
	E	F	G	H			
01	.224(5.70)	.356(9.05)	.242(6.15)	.100(2.54)	—		A B
02	.318(8.08)	.468(11.89)	.290(7.37)	.100(2.54)	—		A
03	.118(3.00)	.250(6.35)	.287(7.30)	.100(2.54)	—		A
B 04	.420(10.67)	.552(14.02)	.287(7.30)	.100(2.54)	—		A
05	.224(6.00)	.362(9.20)	.293(7.45)	.098(2.50)	—		A
06	.276(7.00)	.407(10.35)	.287(7.30)	.100(2.54)	—		A
07	.230(5.84)	.350(8.89)	.300(7.62)	.098(2.50)	—		A
08	.318(9.08)	.507(12.89)	.287(7.30)	.100(2.54)	—		A
C 09	.230(5.84)	.350(8.89)	.300(7.62)	.098(2.50)	—		A
10	.230(5.84)	.380(9.65)	.287(7.30)	.100(2.54)	—		A B
11							
12	.209(5.30)	.358(9.10)	.299(7.60)	.100(2.54)	—		A B
13	.118(3.00)	.250(6.35)	.394(10.00)	.079(2.00)	—		A B
14	.420(10.67)	.570(14.48)	.295(7.50)	.100(2.54)	—		A B
15	.236(6.00)	.472(12.00)	.287(7.30)	.098(2.50)	—		A
D 16	.236(6.00)	.413(10.50)	.287(7.30)	.098(2.50)	—		A
17	.357(9.06)	.512(13.00)	.358(9.10)	.100(2.54)	—		A
18	.213(5.42)	.339(8.60)	.295(7.50)	.100(2.54)	—		A
E							



F

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>	
	X.±.012(0.30)	X.'±5'	FRANK	29/JUL/13	FPH254S2-DXXSXXX4XXMX	FPH254S2		
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X'±2'	CHECKED BY	DATE	TITLE		<p>Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)</p>
	SCALE	X.XX±.006(0.15)	.XX'±1'	CHERRY	29/JUL/13	REV 0 SHEET NO. 2/3		
SIZE	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
5:1	A4		JACOB	29/JUL/13				

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
4	FPH254S2-D04SXXX4XXMX	.100(2.54)	.200(5.08)	44	FPH254S2-D44SXXX4XXMX	2.100(53.34)	2.200(55.88)
6	FPH254S2-D06SXXX4XXMX	.200(5.08)	.300(7.62)	46	FPH254S2-D46SXXX4XXMX	2.200(55.88)	2.300(58.42)
8	FPH254S2-D08SXXX4XXMX	.300(7.62)	.400(10.16)	48	FPH254S2-D48SXXX4XXMX	2.300(58.42)	2.400(60.96)
10	FPH254S2-D10SXXX4XXMX	.400(10.16)	.500(12.70)	50	FPH254S2-D50SXXX4XXMX	2.400(60.96)	2.500(63.50)
12	FPH254S2-D12SXXX4XXMX	.500(12.70)	.600(15.24)	52	FPH254S2-D52SXXX4XXMX	2.500(63.50)	2.600(66.04)
14	FPH254S2-D14SXXX4XXMX	.600(15.24)	.700(17.78)	54	FPH254S2-D54SXXX4XXMX	2.600(66.04)	2.700(68.58)
16	FPH254S2-D16SXXX4XXMX	.700(17.78)	.800(20.32)	56	FPH254S2-D56SXXX4XXMX	2.700(68.58)	2.800(71.12)
18	FPH254S2-D18SXXX4XXMX	.800(20.32)	.900(22.86)	58	FPH254S2-D58SXXX4XXMX	2.800(71.12)	2.900(73.66)
20	FPH254S2-D20SXXX4XXMX	.900(22.86)	1.000(25.40)	60	FPH254S2-D60SXXX4XXMX	2.900(73.66)	3.000(76.20)
22	FPH254S2-D22SXXX4XXMX	1.000(25.40)	1.100(27.94)	62	FPH254S2-D62SXXX4XXMX	3.000(76.20)	3.100(78.74)
24	FPH254S2-D24SXXX4XXMX	1.100(27.94)	1.200(30.48)	64	FPH254S2-D64SXXX4XXMX	3.100(78.74)	3.200(81.28)
26	FPH254S2-D26SXXX4XXMX	1.200(30.48)	1.300(33.02)	66	FPH254S2-D66SXXX4XXMX	3.200(81.28)	3.300(83.82)
28	FPH254S2-D28SXXX4XXMX	1.300(33.02)	1.400(35.56)	68	FPH254S2-D68SXXX4XXMX	3.300(83.82)	3.400(86.36)
30	FPH254S2-D30SXXX4XXMX	1.400(35.56)	1.500(38.10)	70	FPH254S2-D70SXXX4XXMX	3.400(86.36)	3.500(88.90)
32	FPH254S2-D32SXXX4XXMX	1.500(38.10)	1.600(40.64)	72	FPH254S2-D72SXXX4XXMX	3.500(88.90)	3.600(91.44)
34	FPH254S2-D34SXXX4XXMX	1.600(40.64)	1.700(43.18)	74	FPH254S2-D74SXXX4XXMX	3.600(91.44)	3.700(93.98)
36	FPH254S2-D36SXXX4XXMX	1.700(43.18)	1.800(45.72)	76	FPH254S2-D76SXXX4XXMX	3.700(93.98)	3.800(96.52)
38	FPH254S2-D38SXXX4XXMX	1.800(45.72)	1.900(48.26)	78	FPH254S2-D78SXXX4XXMX	3.800(96.52)	3.900(99.06)
40	FPH254S2-D40SXXX4XXMX	1.900(48.26)	2.000(50.80)	80	FPH254S2-D80SXXX4XXMX	3.900(99.06)	4.000(101.60)
42	FPH254S2-D42SXXX4XXMX	2.000(50.80)	2.100(53.34)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 29/JUL/13	PART NO. FPH254S2-DXXSXXX4XXMX	ITEM NO. FPH254S2	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 29/JUL/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)			REV 0
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.±2'	DRAWN BY JACOB	DATE 29/JUL/13	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)	X.X±1'	X.XXX±.004(0.10)	X.XX±0.5'		

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