

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update Dimensions	06/SEP/24	MATT	LEO

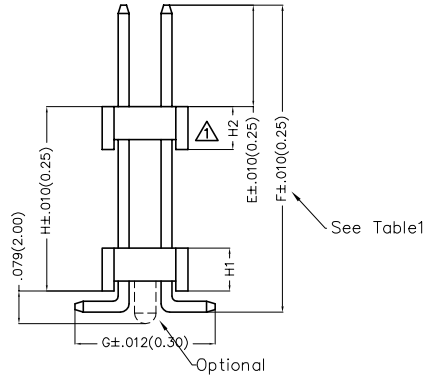
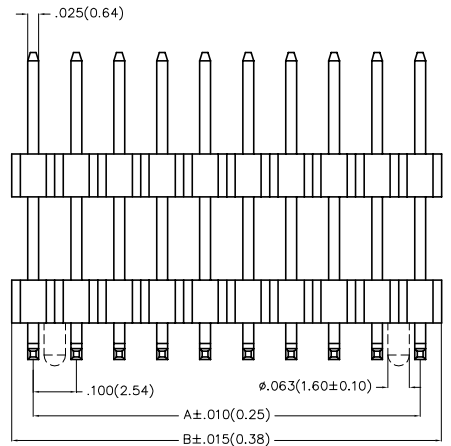
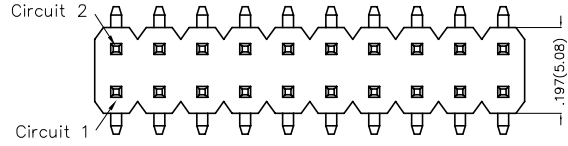
SPECIFICATIONS

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

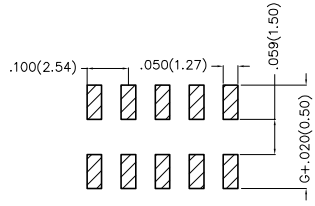
Material

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

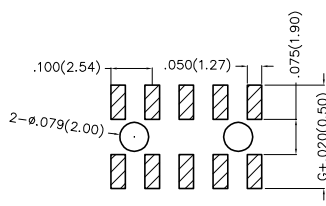


Ordering Information

FPH 254 F2 - 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. F2	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, bright 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

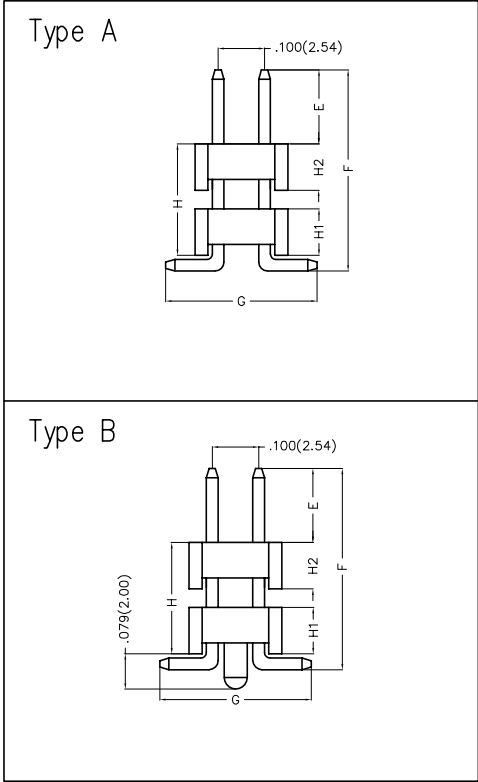
<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 29/JUL/13</p>	<p>PART NO. FPH254F2—DXXSXXX4XXMX</p>	<p>ITEM NO. FPH254F2</p>	<p>Leader Of Industry</p>
	<p>X.±.012(0.30)</p>	<p>X.±5°</p>	<p>CHECKED BY CHERRY</p>	<p>DATE 29/JUL/13</p>	<p>TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)</p>	<p>REV 0</p>	
<p>DESIGN UNITS Inch (metric)</p>	<p>X.X±.008(0.20)</p>	<p>.X'±2'</p>	<p>DRAWN BY KEVIN</p>	<p>DATE 29/JUL/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>		
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX±.006(0.15)</p>					
		<p>X.XXX±.004(0.10)</p>					

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)						Canceled Circuits	Note	Type
	E	F	G	H	H1 Δ	H2 Δ			
01	.236(6.00)	.476(12.10)	.287(7.30)	.196(5.00)	.098(2.50)	.098(2.50)	—		A B
02	.236(6.00)	.476(12.10)	.287(7.30)	.196(5.00)	.098(2.50)	.098(2.50)	No.5,6,7,8	Only 16Circuits	A B
03	.236(6.00)	.457(11.60)	.287(7.30)	.157(4.00)	.098(2.50)	.059(1.50)	—		A B
04	.177(4.50)	.378(9.60)	.287(7.30)	.157(4.00)	.098(2.50)	.059(1.50)	—		A B
05	.177(4.50)	1.102(28.00)	.287(7.30)	.827(21.00)	.098(2.50)	.098(2.50)	—		A B
06	.118(3.00)	.378(9.60)	.394(10.00)	.157(4.00)	.098(2.50)	.059(1.50)	—		B
07	.394(10.00)	.866(22.00)	.287(7.30)	.433(11.00)	.098(2.50)	.098(2.50)	—		A B
08	.236(6.00)	.425(10.80)	.287(7.30)	.157(4.00)	.098(2.50)	.059(1.50)	—		A
08	.236(6.00)	.425(10.80)	.287(7.30)	.157(4.00)	.098(2.50)	.059(1.50)	—		B
09	.256(6.50)	.709(18.00)	.287(7.30)	.413(10.50)	.098(2.50)	.098(2.50)	—		A B





F

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry	
	X.±.012(0.30)	X:±5°	FRANK	29/JUL/13	FPH254F2-DXXSXXX4XXMX	FPH254F2		
	X.X±.008(0.20)	.X:±2°	CHECKED BY	DATE	TITLE	REV 0		SHEET NO. 2/3
	X.XX±.006(0.15)	.XX:±1°	CHERRY	29/JUL/13	Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SCALE	SIZE	X.XXX±.004(0.10)	.XX:±0.5°	DRAWN BY	DATE			
5:1	A4	JACOB	29/JUL/13					

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	FPH254F2-D04SXXX4XXMX	.100(2.54)	.200(5.08)	44	FPH254F2-D44SXXX4XXMX	2.100(53.34)	2.200(55.88)
6	FPH254F2-D06SXXX4XXMX	.200(5.08)	.300(7.62)	46	FPH254F2-D46SXXX4XXMX	2.200(55.88)	2.300(58.42)
8	FPH254F2-D08SXXX4XXMX	.300(7.62)	.400(10.16)	48	FPH254F2-D48SXXX4XXMX	2.300(58.42)	2.400(60.96)
10	FPH254F2-D10SXXX4XXMX	.400(10.16)	.500(12.70)	50	FPH254F2-D50SXXX4XXMX	2.400(60.96)	2.500(63.50)
12	FPH254F2-D12SXXX4XXMX	.500(12.70)	.600(15.24)	52	FPH254F2-D52SXXX4XXMX	2.500(63.50)	2.600(66.04)
14	FPH254F2-D14SXXX4XXMX	.600(15.24)	.700(17.78)	54	FPH254F2-D54SXXX4XXMX	2.600(66.04)	2.700(68.58)
16	FPH254F2-D16SXXX4XXMX	.700(17.78)	.800(20.32)	56	FPH254F2-D56SXXX4XXMX	2.700(68.58)	2.800(71.12)
18	FPH254F2-D18SXXX4XXMX	.800(20.32)	.900(22.86)	58	FPH254F2-D58SXXX4XXMX	2.800(71.12)	2.900(73.66)
20	FPH254F2-D20SXXX4XXMX	.900(22.86)	1.000(25.40)	60	FPH254F2-D60SXXX4XXMX	2.900(73.66)	3.000(76.20)
22	FPH254F2-D22SXXX4XXMX	1.000(25.40)	1.100(27.94)	62	FPH254F2-D62SXXX4XXMX	3.000(76.20)	3.100(78.74)
24	FPH254F2-D24SXXX4XXMX	1.100(27.94)	1.200(30.48)	64	FPH254F2-D64SXXX4XXMX	3.100(78.74)	3.200(81.28)
26	FPH254F2-D26SXXX4XXMX	1.200(30.48)	1.300(33.02)	66	FPH254F2-D66SXXX4XXMX	3.200(81.28)	3.300(83.82)
28	FPH254F2-D28SXXX4XXMX	1.300(33.02)	1.400(35.56)	68	FPH254F2-D68SXXX4XXMX	3.300(83.82)	3.400(86.36)
30	FPH254F2-D30SXXX4XXMX	1.400(35.56)	1.500(38.10)	70	FPH254F2-D70SXXX4XXMX	3.400(86.36)	3.500(88.90)
32	FPH254F2-D32SXXX4XXMX	1.500(38.10)	1.600(40.64)	72	FPH254F2-D72SXXX4XXMX	3.500(88.90)	3.600(91.44)
34	FPH254F2-D34SXXX4XXMX	1.600(40.64)	1.700(43.18)	74	FPH254F2-D74SXXX4XXMX	3.600(91.44)	3.700(93.98)
36	FPH254F2-D36SXXX4XXMX	1.700(43.18)	1.800(45.72)	76	FPH254F2-D76SXXX4XXMX	3.700(93.98)	3.800(96.52)
38	FPH254F2-D38SXXX4XXMX	1.800(45.72)	1.900(48.26)	78	FPH254F2-D78SXXX4XXMX	3.800(96.52)	3.900(99.06)
40	FPH254F2-D40SXXX4XXMX	1.900(48.26)	2.000(50.80)	80	FPH254F2-D80SXXX4XXMX	3.900(99.06)	4.000(101.60)
42	FPH254F2-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. FPH254F2-DXXSXXX4XXMX	ITEM NO. FPH254F2	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	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
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'	DRAWN BY KEVIN	DATE 29/JUL/13		SHEET NO. 3/3
			X.XXX±.004(0.10)	.XXX'±0.5'				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION