

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

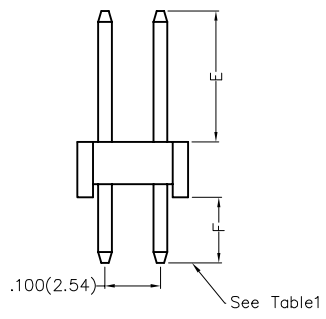
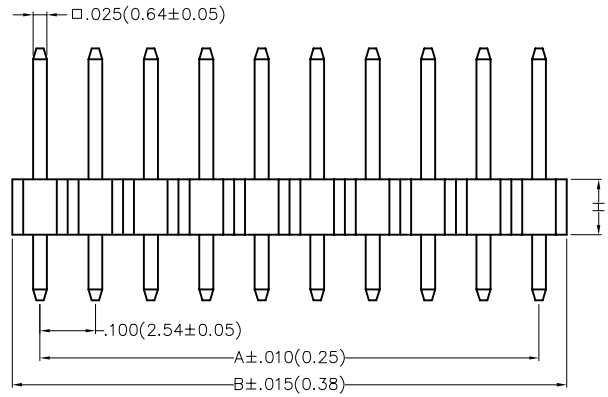
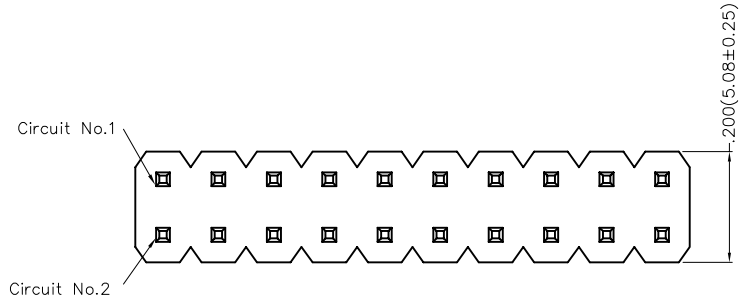
Electrical

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 plated on contact area and 120μ" Min. matte tin plated on tails area

* Note: All materials meet the "EU RoHs"

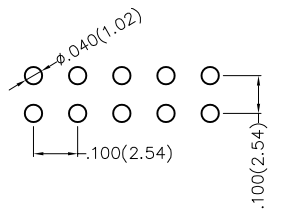


Ordering Information

FPH 254 52 - D XX S X XX X XX XX X 0 B
1 2 3 4 5 6 7 8 9 10 11 12 13

1 <u>Category</u> FPH-Pin Header	2 <u>Series Number</u> 254-Pitch2.54mm	3 <u>Distinction No.</u> 52	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 7-Selective gold plated on contact area and matte tin plated on tails area
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8 <u>Thickness of Plating</u> 01-1μ" 15-15μ" Custom plate available	9 <u>Material-Resin</u> 1-PBT 4-PA6T	10 <u>E Size</u> 01,02...-Serial number (See Table1)	11 <u>F Size</u> 01,02...-Serial number (See Table1)	12 <u>H Size</u> 1,2...-Serial number (See Table1)	13 <u>Packaging</u> B-PE Bag
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Recommended P.C.Board Layout

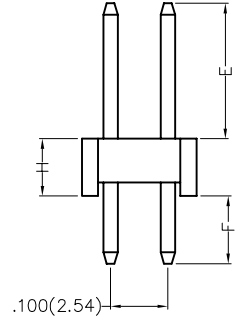
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED) X.±.012(0.30) X.±5' X.X±.008(0.20) .X'±2' X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'		APPROVE BY FRANK DATE 24/DEC/19	PART NO. FPH25452-DXXSXXXXXXXXX0B ITEM NO. FPH25452	 TXGA Leader Of Industry	
	DESIGN UNITS Inch (metric) X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'		CHECKED BY CHERRY DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)		REV 0 SHEET NO. 1/3
	SCALE 5:1	SIZE A4	DRAWN BY ZOEY DATE 24/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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Table1

Serial number	Dimensions(in/mm)		Serial number	Dimensions(in/mm)	
	E			E	
01	.059(1.50)		31	.354(9.00)	
02	.069(1.75)		32	.364(9.25)	
03	.079(2.00)		33	.374(9.50)	
04	.089(2.25)		34	.384(9.75)	
05	.098(2.50)		35	.394(10.00)	
06	.108(2.75)		36	.404(10.25)	
07	.118(3.00)		37	.413(10.50)	
08	.128(3.25)		38	.423(10.75)	
09	.138(3.50)		39	.433(11.00)	
10	.148(3.75)		40	.443(11.25)	
11	.157(4.00)		41	.453(11.50)	
12	.167(4.25)		42	.463(11.75)	
13	.177(4.50)		43	.472(12.00)	
14	.187(4.75)		44	.482(12.25)	
15	.197(5.00)		45	.492(12.50)	
16	.207(5.25)		46	.502(12.75)	
17	.217(5.50)		47	.512(13.00)	
18	.226(5.75)		48	.522(13.25)	
19	.236(6.00)		49	.531(13.50)	
20	.246(6.25)		50	.541(13.75)	
21	.256(6.50)		51	.551(14.00)	
22	.266(6.75)		52	.561(14.25)	
23	.276(7.00)		53	.571(14.50)	
24	.285(7.25)		54	.581(14.75)	
25	.295(7.50)		55	.591(15.00)	
26	.305(7.75)		56	.600(15.25)	
27	.315(8.00)		57	.610(15.50)	
28	.325(8.25)		58	.620(15.75)	
29	.335(8.50)		59	.630(16.00)	
30	.344(8.75)				

Serial number	Dimensions(in/mm)		Serial number	Dimensions(in/mm)	
	F			F	
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)		36		





Serial number	Dimensions(in/mm)
H	
1	.039(1.00)
2	.059(1.50)
3	.079(2.00)
4	.098(2.50)

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	24/DEC/19	FPH25452-DXXSXXXXXXXXX0B	FPH25452	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)		
	X.XX±.006(0.15)	.XX'±1'	CHEERY	24/DEC/19	REV 0	SHEET NO. 2/3	
SCALE 5:1	SIZE A4	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	
			ZOEY	24/DEC/19			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FPH25452-D02SXXXXXXXXX0B	—	.100(2.54)	42	FPH25452-D42SXXXXXXXXX0B	2.000(50.80)	2.100(53.34)
4	FPH25452-D04SXXXXXXXXX0B	.100(2.54)	.200(5.08)	44	FPH25452-D44SXXXXXXXXX0B	2.100(53.34)	2.200(55.88)
6	FPH25452-D06SXXXXXXXXX0B	.200(5.08)	.300(7.62)	46	FPH25452-D46SXXXXXXXXX0B	2.200(55.88)	2.300(58.42)
8	FPH25452-D08SXXXXXXXXX0B	.300(7.62)	.400(10.16)	48	FPH25452-D48SXXXXXXXXX0B	2.300(58.42)	2.400(60.96)
10	FPH25452-D10SXXXXXXXXX0B	.400(10.16)	.500(12.70)	50	FPH25452-D50SXXXXXXXXX0B	2.400(60.96)	2.500(63.50)
12	FPH25452-D12SXXXXXXXXX0B	.500(12.70)	.600(15.24)	52	FPH25452-D52SXXXXXXXXX0B	2.500(63.50)	2.600(66.04)
14	FPH25452-D14SXXXXXXXXX0B	.600(15.24)	.700(17.78)	54	FPH25452-D54SXXXXXXXXX0B	2.600(66.04)	2.700(68.58)
16	FPH25452-D16SXXXXXXXXX0B	.700(17.78)	.800(20.32)	56	FPH25452-D56SXXXXXXXXX0B	2.700(68.58)	2.800(71.12)
18	FPH25452-D18SXXXXXXXXX0B	.800(20.32)	.900(22.86)	58	FPH25452-D58SXXXXXXXXX0B	2.800(71.12)	2.900(73.66)
20	FPH25452-D20SXXXXXXXXX0B	.900(22.86)	1.000(25.40)	60	FPH25452-D60SXXXXXXXXX0B	2.900(73.66)	3.000(76.20)
22	FPH25452-D22SXXXXXXXXX0B	1.000(25.40)	1.100(27.94)	62	FPH25452-D62SXXXXXXXXX0B	3.000(76.20)	3.100(78.74)
24	FPH25452-D24SXXXXXXXXX0B	1.100(27.94)	1.200(30.48)	64	FPH25452-D64SXXXXXXXXX0B	3.100(78.74)	3.200(81.28)
26	FPH25452-D26SXXXXXXXXX0B	1.200(30.48)	1.300(33.02)	66	FPH25452-D66SXXXXXXXXX0B	3.200(81.28)	3.300(83.82)
28	FPH25452-D28SXXXXXXXXX0B	1.300(33.02)	1.400(35.56)	68	FPH25452-D68SXXXXXXXXX0B	3.300(83.82)	3.400(86.36)
30	FPH25452-D30SXXXXXXXXX0B	1.400(35.56)	1.500(38.10)	70	FPH25452-D70SXXXXXXXXX0B	3.400(86.36)	3.500(88.90)
32	FPH25452-D32SXXXXXXXXX0B	1.500(38.10)	1.600(40.64)	72	FPH25452-D72SXXXXXXXXX0B	3.500(88.90)	3.600(91.44)
34	FPH25452-D34SXXXXXXXXX0B	1.600(40.64)	1.700(43.18)	74	FPH25452-D74SXXXXXXXXX0B	3.600(91.44)	3.700(93.98)
36	FPH25452-D36SXXXXXXXXX0B	1.700(43.18)	1.800(45.72)	76	FPH25452-D76SXXXXXXXXX0B	3.700(93.98)	3.800(96.52)
38	FPH25452-D38SXXXXXXXXX0B	1.800(45.72)	1.900(48.26)	78	FPH25452-D78SXXXXXXXXX0B	3.800(96.52)	3.900(99.06)
40	FPH25452-D40SXXXXXXXXX0B	1.900(48.26)	2.000(50.80)	80	FPH25452-D80SXXXXXXXXX0B	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25452-DXXSXXXXXXXXX0B	ITEM NO. FPH25452	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)			REV 0
	DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY ZOEY	DATE 24/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)	.XXX±0.5'		