

Dimensions(in/mm)	
H	F
.039(1.00)	.059(1.50)~.069(1.75)
.059(1.50)	.079(2.00)~.089(2.25)
.079(2.00)	.098(2.50)~.108(2.75)
.098(2.50)	≥.118(3.00)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

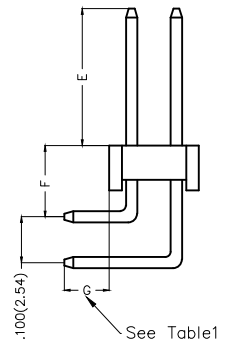
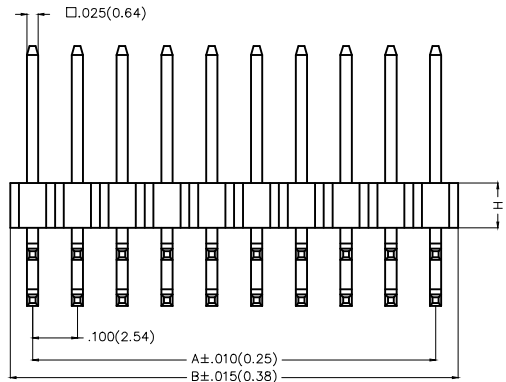
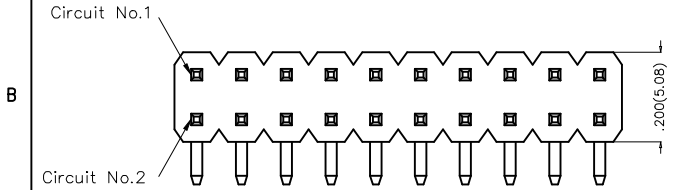
SPECIFICATIONS

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

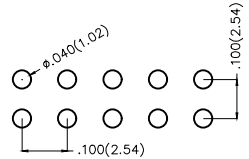
Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area




Ordering Information

FPH 254 61 - D XX B X XX X XX XX XX B
 1 2 3 4 5 6 7 8 9 10 11 12 13

1 Category FPH-Pin Header	2 Series Number 254-Pitch2.54mm	3 Distinction No. 61	4 Row Option D-Double Row	5 Circuits XX	6 Entry Angle B-90° Angle	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 1-PBT 4-PA6T	10 E Size 01,02...-Serial number (See Table1)	11 F Size 01,02...-Serial number (See Table1)	12 G Size 01,02...-Serial number (See Table1)	13 Packaging B-PE Bag	



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25461-DXXBXXXXXXXXXXB	ITEM NO. FPH25461	 Leader Of Industry
	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 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)	
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		

REV 0 SHEET NO. 1/3

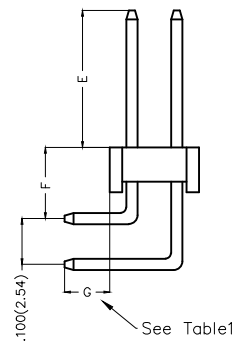
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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) F	Serial number	Dimensions (in/mm) F	Serial number	Dimensions (in/mm) F	Serial number	Dimensions (in/mm) F
01	.059(1.50)	19	.236(6.00)	37	.413(10.50)	55	.591(15.00)
02	.069(1.75)	20	.246(6.25)	38	.423(10.75)	46	.600(15.25)
03	.079(2.00)	21	.256(6.50)	39	.433(11.00)	47	.610(15.50)
04	.089(2.25)	22	.266(6.75)	40	.443(11.25)	48	.620(15.75)
05	.098(2.50)	23	.276(7.00)	41	.453(11.50)	49	.630(16.00)
06	.108(2.75)	24	.285(7.25)	42	.463(11.75)	50	.640(16.25)
07	.118(3.00)	25	.295(7.50)	43	.472(12.00)	51	.650(16.50)
08	.128(3.25)	26	.305(7.75)	44	.482(12.25)		
09	.138(3.50)	27	.315(8.00)	45	.492(12.50)		
10	.148(3.75)	28	.325(8.25)	46	.502(12.75)		
11	.157(4.00)	29	.335(8.50)	47	.512(13.00)		
12	.167(4.25)	30	.344(8.75)	48	.522(13.25)		
13	.177(4.50)	31	.354(9.00)	49	.531(13.50)		
14	.187(4.75)	32	.364(9.25)	50	.541(13.75)		
15	.197(5.00)	33	.374(9.50)	51	.551(14.00)		
16	.207(5.25)	34	.384(9.75)	52	.561(14.25)		
17	.217(5.50)	35	.394(10.00)	53	.571(14.50)		
18	.226(5.75)	36	.404(10.25)	54	.581(14.75)		

Serial number	Dimensions (in/mm) G	Serial number	Dimensions (in/mm) G
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)		



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25461-DXXBXXXXXXXXXXB	ITEM NO. FPH25461	<p>Leader Of Industry</p>	
	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)			REV 0
	DESIGN UNITS Inch (metric)	X.X±.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)	X.X'±1'				

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
2	FPH25461-D02BXXXXXXXXXB	—	.100(2.54)	42	FPH25461-D42BXXXXXXXXXB	2.000(50.80)	2.100(53.34)
4	FPH25461-D04BXXXXXXXXXB	.100(2.54)	.200(5.08)	44	FPH25461-D44BXXXXXXXXXB	2.100(53.34)	2.200(55.88)
6	FPH25461-D06BXXXXXXXXXB	.200(5.08)	.300(7.62)	46	FPH25461-D46BXXXXXXXXXB	2.200(55.88)	2.300(58.42)
8	FPH25461-D08BXXXXXXXXXB	.300(7.62)	.400(10.16)	48	FPH25461-D48BXXXXXXXXXB	2.300(58.42)	2.400(60.96)
10	FPH25461-D10BXXXXXXXXXB	.400(10.16)	.500(12.70)	50	FPH25461-D50BXXXXXXXXXB	2.400(60.96)	2.500(63.50)
12	FPH25461-D12BXXXXXXXXXB	.500(12.70)	.600(15.24)	52	FPH25461-D52BXXXXXXXXXB	2.500(63.50)	2.600(66.04)
14	FPH25461-D14BXXXXXXXXXB	.600(15.24)	.700(17.78)	54	FPH25461-D54BXXXXXXXXXB	2.600(66.04)	2.700(68.58)
16	FPH25461-D16BXXXXXXXXXB	.700(17.78)	.800(20.32)	56	FPH25461-D56BXXXXXXXXXB	2.700(68.58)	2.800(71.12)
18	FPH25461-D18BXXXXXXXXXB	.800(20.32)	.900(22.86)	58	FPH25461-D58BXXXXXXXXXB	2.800(71.12)	2.900(73.66)
20	FPH25461-D20BXXXXXXXXXB	.900(22.86)	1.000(25.40)	60	FPH25461-D60BXXXXXXXXXB	2.900(73.66)	3.000(76.20)
22	FPH25461-D22BXXXXXXXXXB	1.000(25.40)	1.100(27.94)	62	FPH25461-D62BXXXXXXXXXB	3.000(76.20)	3.100(78.74)
24	FPH25461-D24BXXXXXXXXXB	1.100(27.94)	1.200(30.48)	64	FPH25461-D64BXXXXXXXXXB	3.100(78.74)	3.200(81.28)
26	FPH25461-D26BXXXXXXXXXB	1.200(30.48)	1.300(33.02)	66	FPH25461-D66BXXXXXXXXXB	3.200(81.28)	3.300(83.82)
28	FPH25461-D28BXXXXXXXXXB	1.300(33.02)	1.400(35.56)	68	FPH25461-D68BXXXXXXXXXB	3.300(83.82)	3.400(86.36)
30	FPH25461-D30BXXXXXXXXXB	1.400(35.56)	1.500(38.10)	70	FPH25461-D70BXXXXXXXXXB	3.400(86.36)	3.500(88.90)
32	FPH25461-D32BXXXXXXXXXB	1.500(38.10)	1.600(40.64)	72	FPH25461-D72BXXXXXXXXXB	3.500(88.90)	3.600(91.44)
34	FPH25461-D34BXXXXXXXXXB	1.600(40.64)	1.700(43.18)	74	FPH25461-D74BXXXXXXXXXB	3.600(91.44)	3.700(93.98)
36	FPH25461-D36BXXXXXXXXXB	1.700(43.18)	1.800(45.72)	76	FPH25461-D76BXXXXXXXXXB	3.700(93.98)	3.800(96.52)
38	FPH25461-D38BXXXXXXXXXB	1.800(45.72)	1.900(48.26)	78	FPH25461-D78BXXXXXXXXXB	3.800(96.52)	3.900(99.06)
40	FPH25461-D40BXXXXXXXXXB	1.900(48.26)	2.000(50.80)	80	FPH25461-D80BXXXXXXXXXB	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25461-DXXBXXXXXXXXXB	ITEM NO. FPH25461	 Leader Of Industry	
	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 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		REV 0
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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