

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

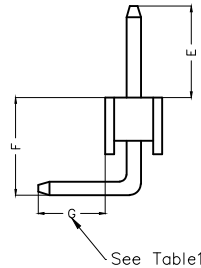
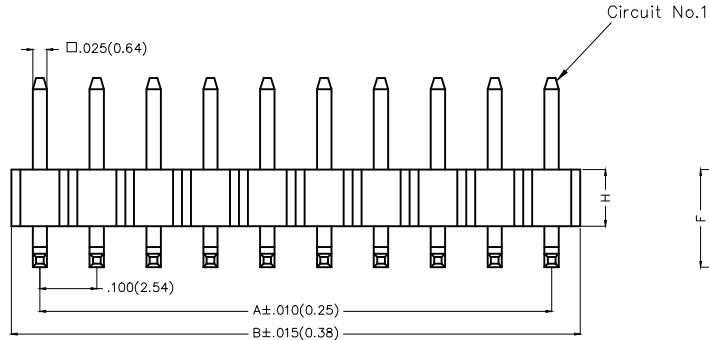
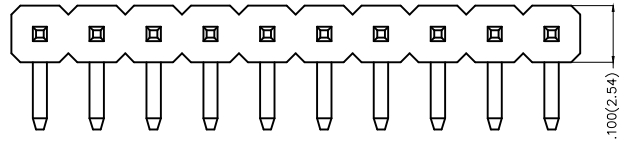
SPECIFICATIONS

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

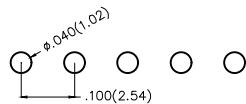
Housing: Glass Filled Polyester (UL 94V-0), Color: Black
 Pin: Brass
 Pin Plating: Gold plated/ Selective gold in contact area, bright tin on tail




Ordering Information

FPH 254 02 — S XX B X XX X XX B
 1 2 3 4 5 6 7 8 9 10 11

1 Category FPH—Pin Header	2 Series Number 254—Pitch2.54mm	3 Distinction No. 02	4 Row Option S—Single Row	5 Circuits XX	6 Entry Angle B—90° Angle	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 1—PBT 4—PA6T	10 Size 01,02... —Serial number (See Table1) Custom length available	11 Packaging B—PE Bag
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Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 1/AUG/13	PART NO. FPH25402-SXXBXXXXXXB	ITEM NO. FPH25402	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X'.±5'	CHECKED BY CHERRY	DATE 1/AUG/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		
SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX'±1'	DRAWN BY JACOB	DATE 1/AUG/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

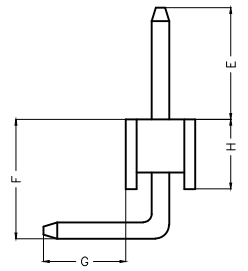
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)				Canceled Circuits	Note
	E	F	G	H		
01	.118(3.00)	.215(5.45)	.236(6.00)	.100(2.54)	—	
02	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.2,3	Only 4,6,8,10,12,13Circuits
03	.252(6.40)	.173(4.40)	.118(3.00)	.100(2.54)	—	
04	.140(3.55)	.129(3.30)	.142(3.60)	.100(2.54)	—	
05	.236(6.00)	.173(4.40)	.118(3.00)	.100(2.54)	—	
06	.118(3.00)	.129(3.30)	.118(3.00)	.100(2.54)	—	
07	.138(3.50)	.149(3.80)	.110(2.80)	.100(2.54)	—	
08	.236(6.00)	.154(3.90)	.118(3.00)	.100(2.54)	—	
09	.142(3.60)	.173(4.40)	.114(2.90)	.100(2.54)	—	
10	.392(9.96)	.126(3.20)	.130(3.30)	.100(2.54)	—	
11						
12	.276(7.00)	.177(4.50)	.154(3.90)	.100(2.54)	—	
13	.138(3.50)	.177(4.50)	.295(7.50)	.100(2.54)	—	
14	.157(4.00)	.126(3.20)	.118(3.00)	.100(2.54)	No.3,4	Only 10Circuits
15	.165(4.20)	.126(3.20)	.118(3.00)	.100(2.54)	No.4,5	Only 10Circuits
16	.165(4.20)	.126(3.20)	.118(3.00)	.100(2.54)	No.3,4	Only 10Circuits
17	.120(3.05)	.161(4.10)	.220(5.60)	.098(2.50)	No.7,8,10,11,13	Only 15Circuits
18	.157(4.00)	.129(3.30)	.118(3.00)	.100(2.54)	—	
19	.138(3.50)	.126(3.20)	.118(3.00)	.100(2.54)	—	
20	.236(6.00)	.228(5.80)	.118(3.00)	.100(2.54)	—	
21	.236(6.00)	.173(4.40)	.138(3.50)	.100(2.54)	No.4,12	Only 16Circuits
22	.236(6.00)	.173(4.40)	.138(3.50)	.100(2.54)	No.2	Only 4Circuits
23	.236(6.00)	.173(4.40)	.138(3.50)	.100(2.54)	No.3	Only 4Circuits
24	.170(4.30)	.157(4.00)	.311(7.90)	.100(2.54)	—	
25	.709(18.00)	.244(6.20)	.126(3.20)	.100(2.54)	No.2,4,6,8	Only 9Circuits
26	.118(3.00)	.125(3.18)	.087(2.20)	.100(2.54)	—	
27	.163(4.15)	.252(6.40)	.116(2.94)	.100(2.54)	—	
28	.551(14.00)	.244(6.20)	.126(3.20)	.100(2.54)	No.2,4,6,8	Only 9Circuits
29	.138(3.50)	.126(3.20)	.256(6.50)	.100(2.54)	No.2,4,6	Only 7Circuits
30	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	—	
31	.157(4.00)	.129(3.30)	.118(3.00)	.100(2.54)	No.2	Only 3Circuits
32	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.3,5	Only 6Circuits
33	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.2,4	Only 6Circuits









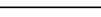

Serial number	Dimensions(in/mm)				Canceled Circuits	Note
	E	F	G	H		
34	.079(2.00)	.126(3.20)	.079(2.00)	.100(2.54)	No.2,3,10,11,12	Only 10,16Circuits
35	.079(2.00)	.126(3.20)	.079(2.00)	.100(2.54)	No.2,3,10,11,12	Only 10,12Circuits
36	.323(8.20)	.150(3.80)	.126(3.20)	.100(2.54)	—	
37	.118(3.00)	.173(4.40)	.315(8.00)	.100(2.54)	—	
38	.236(6.00)	.173(4.40)	.063(1.60)	.100(2.54)	—	
39	.394(10.00)	.165(4.20)	.197(5.00)	.100(2.54)	—	
40	.157(4.00)	.126(3.20)	.118(3.00)	.100(2.54)	—	
41	.138(3.50)	.124(3.14)	.138(3.50)	.098(2.50)	—	
42	.230(5.84)	.173(4.40)	.090(2.30)	.100(2.54)	No.2,8	Only 10,12Circuits
43	.138(3.50)	.252(6.40)	.138(3.50)	.098(2.50)	—	
44	.126(3.20)	.157(3.98)	.087(2.20)	.100(2.54)	—	
45	.126(6.00)	.138(3.50)	.118(3.00)	.100(2.54)	—	
46	.610(15.50)	.173(4.40)	.118(3.00)	.100(2.54)	—	
47	.236(6.00)	.433(11.00)	.157(4.00)	.100(2.54)	—	
48	.124(3.15)	.236(6.00)	.369(9.37)	.100(2.54)	—	
49	.452(11.47)	.177(4.50)	.110(2.80)	.100(2.54)	—	
50	.118(3.00)	.276(7.00)	.267(6.80)	.100(2.54)	—	
51	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.2,3,10,11,12	Only 10,12Circuits
52	.118(3.00)	.177(4.50)	.173(4.40)	.100(2.54)	—	
53	.380(9.65)	.160(4.07)	.120(3.05)	.100(2.54)	—	
54	.138(3.50)	.172(4.36)	.138(3.50)	.100(2.54)	—	
55	.154(3.90)	.126(3.20)	.118(3.00)	.100(2.54)	—	
56	.118(3.00)	.146(3.70)	.236(6.00)	.100(2.54)	—	
57	.165(4.20)	.126(3.20)	.118(3.00)	.100(2.54)	No.3,4,5	Only 10Circuits
58	.157(4.00)	.134(3.40)	.118(3.00)	.098(2.50)	—	
59	.126(6.00)	.150(3.80)	.118(3.00)	.100(2.54)	—	
60						

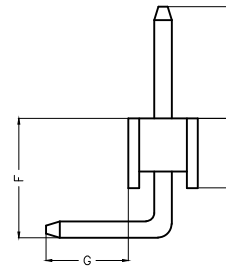




 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 1/AUG/13	PART NO. FPH25402-SXXBXXXXXXB	ITEM NO. FPH25402	 Leader Of Industry
	X.±.012(0.30) X'.±5' X.XX±.008(0.20) X'±2' X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'	CHECKED BY CHERRY	DATE 1/AUG/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		REV 0	
DESIGN UNITS Inch (metric)	SCALE 5:1	SIZE A4	DRAWN BY JACOB	DATE 1/AUG/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)				Canceled Circuits	Note
	E	F	G	H		
61	.197(5.00)	.157(4.00)	.197(5.00)	.100(2.54)		
62	.197(5.00)	.157(4.00)	.197(5.00)	.100(2.54)	No.2,3,5,6,8	Only 9Circuits
63	.197(5.00)	.157(4.00)	.197(5.00)	.100(2.54)	No.2,4,6,8	Only 9Circuits
64	.197(5.00)	.126(3.20)	.087(2.20)	.100(2.54)		
65	.315(8.00)	.169(4.30)	.098(2.50)	.100(2.54)		
66	.118(3.00)	.193(4.90)	.240(6.10)	.100(2.54)		
67	.142(3.60)	.134(3.40)	.118(3.00)	.100(2.54)		
68	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.4,12	Only 16Circuits
69	.157(4.00)	.129(3.30)	.118(3.00)	.100(2.54)	No.2,3	Only 4Circuits
70	.118(3.00)	.134(3.40)	.118(3.00)	.100(2.54)	No.2,4,5	Only 8Circuits
71	.118(3.00)	.125(3.18)	.118(3.00)	.100(2.54)		
72	.256(6.50)	.181(4.60)	.232(5.90)	.100(2.54)		
73	.236(6.00)	.159(4.04)	.118(3.00)	.100(2.54)		
74	.197(5.00)	.169(4.30)	.098(2.50)	.100(2.54)		
75	.256(6.50)	.173(4.40)	.118(3.00)	.100(2.54)		



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 1/AUG/13	PART NO. FPH25402-SXXBXXXXXXB	ITEM NO. FPH25402	 Leader Of Industry	
	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 1/AUG/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)			REV 0
	DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY JACOB	DATE 1/AUG/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	X.XXX±.004(0.10)	.XXX'±0.5'	SIZE A4				

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
1	FPH25402-S01BXXXXXB	—	.100(2.54)	21	FPH25402-S21BXXXXXB	2.000(50.80)	2.100(53.34)
2	FPH25402-S02BXXXXXB	.100(2.54)	.200(5.08)	22	FPH25402-S22BXXXXXB	2.100(53.34)	2.200(55.88)
3	FPH25402-S03BXXXXXB	.200(5.08)	.300(7.62)	23	FPH25402-S23BXXXXXB	2.200(55.88)	2.300(58.42)
4	FPH25402-S04BXXXXXB	.300(7.62)	.400(10.16)	24	FPH25402-S24BXXXXXB	2.300(58.42)	2.400(60.96)
5	FPH25402-S05BXXXXXB	.400(10.16)	.500(12.70)	25	FPH25402-S25BXXXXXB	2.400(60.96)	2.500(63.50)
6	FPH25402-S06BXXXXXB	.500(12.70)	.600(15.24)	26	FPH25402-S26BXXXXXB	2.500(63.50)	2.600(66.04)
7	FPH25402-S07BXXXXXB	.600(15.24)	.700(17.78)	27	FPH25402-S27BXXXXXB	2.600(66.04)	2.700(68.58)
8	FPH25402-S08BXXXXXB	.700(17.78)	.800(20.32)	28	FPH25402-S28BXXXXXB	2.700(68.58)	2.800(71.12)
9	FPH25402-S09BXXXXXB	.800(20.32)	.900(22.86)	29	FPH25402-S29BXXXXXB	2.800(71.12)	2.900(73.66)
10	FPH25402-S10BXXXXXB	.900(22.86)	1.000(25.40)	30	FPH25402-S30BXXXXXB	2.900(73.66)	3.000(76.20)
11	FPH25402-S11BXXXXXB	1.000(25.40)	1.100(27.94)	31	FPH25402-S31BXXXXXB	3.000(76.20)	3.100(78.74)
12	FPH25402-S12BXXXXXB	1.100(27.94)	1.200(30.48)	32	FPH25402-S32BXXXXXB	3.100(78.74)	3.200(81.28)
13	FPH25402-S13BXXXXXB	1.200(30.48)	1.300(33.02)	33	FPH25402-S33BXXXXXB	3.200(81.28)	3.300(83.82)
14	FPH25402-S14BXXXXXB	1.300(33.02)	1.400(35.56)	34	FPH25402-S34BXXXXXB	3.300(83.82)	3.400(86.36)
15	FPH25402-S15BXXXXXB	1.400(35.56)	1.500(38.10)	35	FPH25402-S35BXXXXXB	3.400(86.36)	3.500(88.90)
16	FPH25402-S16BXXXXXB	1.500(38.10)	1.600(40.64)	36	FPH25402-S36BXXXXXB	3.500(88.90)	3.600(91.44)
17	FPH25402-S17BXXXXXB	1.600(40.64)	1.700(43.18)	37	FPH25402-S37BXXXXXB	3.600(91.44)	3.700(93.98)
18	FPH25402-S18BXXXXXB	1.700(43.18)	1.800(45.72)	38	FPH25402-S38BXXXXXB	3.700(93.98)	3.800(96.52)
19	FPH25402-S19BXXXXXB	1.800(45.72)	1.900(48.26)	39	FPH25402-S39BXXXXXB	3.800(96.52)	3.900(99.06)
20	FPH25402-S20BXXXXXB	1.900(48.26)	2.000(50.80)	40	FPH25402-S40BXXXXXB	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 1/AUG/13	PART NO. FPH25402-SXXBXXXXXB	ITEM NO. FPH25402	 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 1/AUG/13	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(DIP)		REV 0
SCALE 5:1	SIZE A4		DRAWN BY JACOB	DATE 1/AUG/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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