

Dimensions(in/mm)	
H	H1+H2
.118(3.00)	.059(1.50)+.059(1.50)
.138(3.50)	.079(2.00)+.059(1.50)
.157(4.00)	.059(1.50)+.098(2.50)
.177(4.50)	.079(2.00)+.098(2.50)
≥.197(5.00)	.098(2.50)+.098(2.50)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size change	07/JUN/23	MATT	LEO

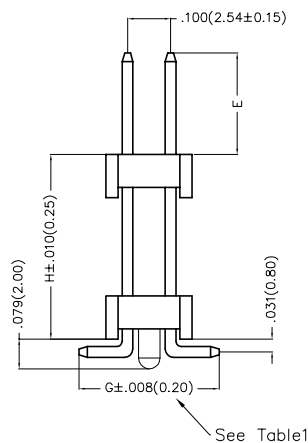
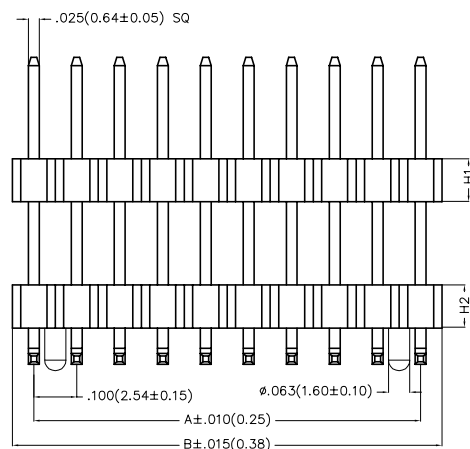
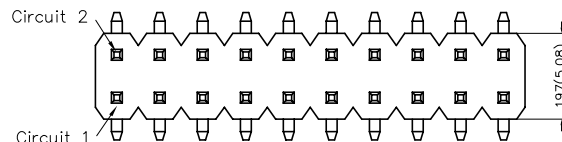
### SPECIFICATIONS

#### 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

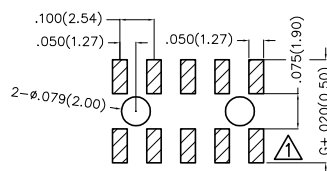
Housing: Glass Filled Polyester (UL 94V-0) , Color: Black  
Pin: Brass  
Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area




### Ordering Information

FPH 254 74 — D XX S X XX 4 XX XX XX M  
1 2 3 4 5 6 7 8 9 10 11 12 13

Category FPH—Pin Header	2 Series Number 254—Pitch 2.54mm	3 Distinction No. 74	4 Row Option D—Double Row	5 Circuits XX	6 Entry Angle S—180° Vertical	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 4—PA6T	10 E Size 01,02...—Serial number (See Table1)	11 G Size 01,02...—Serial number (See Table1)	12 H Size 01,02...—Serial number (See Table1)	13 Packaging M—Reel	



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25474-DXXSXXX4XXXXXXM	ITEM NO. FPH25474	 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(SMT)	REV 1	
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.XXX±.004(0.10)	.XX'±0.5'				

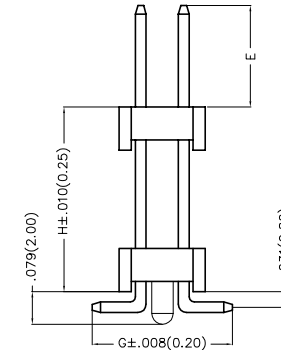
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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) G
04	.246(6.25)
05	.256(6.50)
06	.266(6.75)
07	.276(7.00)
08	.285(7.25)
09	.295(7.50)
10	.305(7.75)
11	.315(8.00)
12	.325(8.25)
13	.335(8.50)
14	.344(8.75)
15	.354(9.00)
16	.364(9.25)
17	.374(9.50)
18	.384(9.75)
19	.394(10.00)



Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H
01	.118(3.00)	19	.472(12.00)
02	.138(3.50)	20	.492(12.50)
03	.157(4.00)	21	.512(13.00)
04	.177(4.50)	22	.531(13.50)
05	.197(5.00)	23	.551(14.00)
06	.217(5.50)	24	.571(14.50)
07	.236(6.00)	25	.591(15.00)
08	.256(6.50)	26	.610(15.50)
09	.276(7.00)	27	.630(16.00)
10	.295(7.50)	28	.650(16.50)
11	.315(8.00)	29	.669(17.00)
12	.335(8.50)	30	.689(17.50)
13	.354(9.00)	31	.709(18.00)
14	.374(9.50)	32	.728(18.50)
15	.394(10.00)	33	.748(19.00)
16	.413(10.50)	34	.768(19.50)
17	.433(11.00)	35	.787(20.00)
18	.453(11.50)		



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25474-DXXSXXX4XXXXXXM	ITEM NO. FPH25474	 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(SMT)			REV 1
	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)	.XX±1'				

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	FPH25474-D04SXXX4XXXXXXM	.100(2.54)	.200(5.08)	44	FPH25474-D44SXXX4XXXXXXM	2.100(53.34)	2.200(55.88)
6	FPH25474-D06SXXX4XXXXXXM	.200(5.08)	.300(7.62)	46	FPH25474-D46SXXX4XXXXXXM	2.200(55.88)	2.300(58.42)
8	FPH25474-D08SXXX4XXXXXXM	.300(7.62)	.400(10.16)	48	FPH25474-D48SXXX4XXXXXXM	2.300(58.42)	2.400(60.96)
10	FPH25474-D10SXXX4XXXXXXM	.400(10.16)	.500(12.70)	50	FPH25474-D50SXXX4XXXXXXM	2.400(60.96)	2.500(63.50)
12	FPH25474-D12SXXX4XXXXXXM	.500(12.70)	.600(15.24)	52	FPH25474-D52SXXX4XXXXXXM	2.500(63.50)	2.600(66.04)
14	FPH25474-D14SXXX4XXXXXXM	.600(15.24)	.700(17.78)	54	FPH25474-D54SXXX4XXXXXXM	2.600(66.04)	2.700(68.58)
16	FPH25474-D16SXXX4XXXXXXM	.700(17.78)	.800(20.32)	56	FPH25474-D56SXXX4XXXXXXM	2.700(68.58)	2.800(71.12)
18	FPH25474-D18SXXX4XXXXXXM	.800(20.32)	.900(22.86)	58	FPH25474-D58SXXX4XXXXXXM	2.800(71.12)	2.900(73.66)
20	FPH25474-D20SXXX4XXXXXXM	.900(22.86)	1.000(25.40)	60	FPH25474-D60SXXX4XXXXXXM	2.900(73.66)	3.000(76.20)
22	FPH25474-D22SXXX4XXXXXXM	1.000(25.40)	1.100(27.94)	62	FPH25474-D62SXXX4XXXXXXM	3.000(76.20)	3.100(78.74)
24	FPH25474-D24SXXX4XXXXXXM	1.100(27.94)	1.200(30.48)	64	FPH25474-D64SXXX4XXXXXXM	3.100(78.74)	3.200(81.28)
26	FPH25474-D26SXXX4XXXXXXM	1.200(30.48)	1.300(33.02)	66	FPH25474-D66SXXX4XXXXXXM	3.200(81.28)	3.300(83.82)
28	FPH25474-D28SXXX4XXXXXXM	1.300(33.02)	1.400(35.56)	68	FPH25474-D68SXXX4XXXXXXM	3.300(83.82)	3.400(86.36)
30	FPH25474-D30SXXX4XXXXXXM	1.400(35.56)	1.500(38.10)	70	FPH25474-D70SXXX4XXXXXXM	3.400(86.36)	3.500(88.90)
32	FPH25474-D32SXXX4XXXXXXM	1.500(38.10)	1.600(40.64)	72	FPH25474-D72SXXX4XXXXXXM	3.500(88.90)	3.600(91.44)
34	FPH25474-D34SXXX4XXXXXXM	1.600(40.64)	1.700(43.18)	74	FPH25474-D74SXXX4XXXXXXM	3.600(91.44)	3.700(93.98)
36	FPH25474-D36SXXX4XXXXXXM	1.700(43.18)	1.800(45.72)	76	FPH25474-D76SXXX4XXXXXXM	3.700(93.98)	3.800(96.52)
38	FPH25474-D38SXXX4XXXXXXM	1.800(45.72)	1.900(48.26)	78	FPH25474-D78SXXX4XXXXXXM	3.800(96.52)	3.900(99.06)
40	FPH25474-D40SXXX4XXXXXXM	1.900(48.26)	2.000(50.80)	80	FPH25474-D80SXXX4XXXXXXM	3.900(99.06)	4.000(101.60)
42	FPH25474-D42SXXX4XXXXXXM	2.000(50.80)	2.100(53.34)				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25474-DXXSXXX4XXXXXXM	ITEM NO. FPH25474	 Leader Of Industry		
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(SMT)		REV 1    SHEET NO. 3/3	
		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.XX±.004(0.10)