

Dimensions(in/mm)	
H	H1+H2+H3
.217(5.50)	.059(1.50)+.079(2.00)+.079(2.00)
.236(6.00)	.079(2.00)+.079(2.00)+.079(2.00)
.256(6.50)	.079(2.00)+.079(2.00)+.098(2.50)
.276(7.00)	.079(2.00)+.098(2.50)+.098(2.50)
≥.295(7.50)	.098(2.50)+.098(2.50)+.098(2.50)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

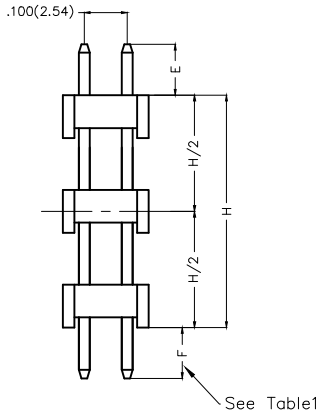
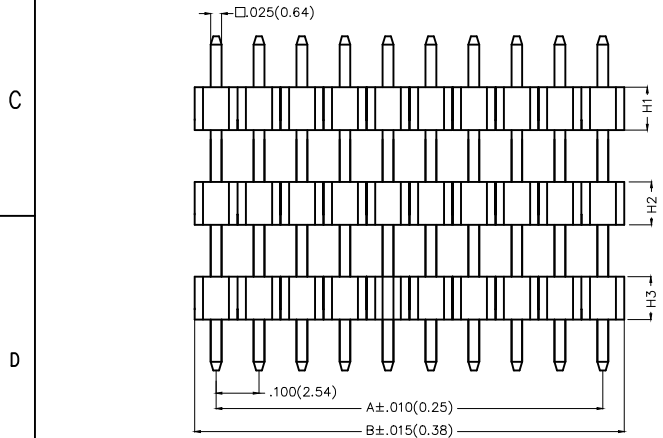
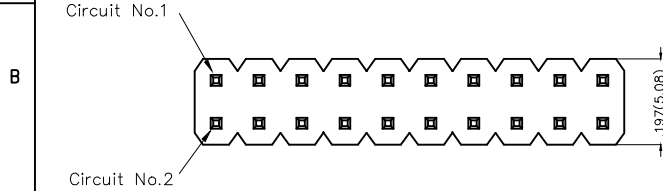
SPECIFICATIONS

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

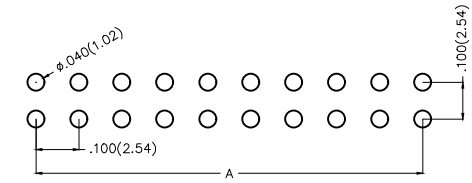


Ordering Information


FPH 254 54 - D XX S 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—Pitch 2.54mm	3 Distinction No. 54	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
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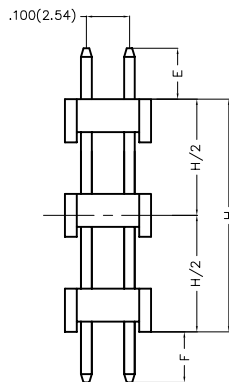
8 Thickness of Plating 01—1μ" 15—15μ" Custom plate available	9 Material—Resin 1—PBT 4—PA6T	10 E Size 01,02...—Serial number (See Table1)	11 F Size 01,02...—Serial number (See Table1)	12 H Size 01,02...—Serial number (See Table1)	13 Packaging B—PE Bag
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Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25454-DXXSXXXXXXXXXXB	ITEM NO. FPH25454	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.±5' X.X±.008(0.20) .X'±2'	CHECKED BY CHERRY	DATE 24/DEC/19	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)	REV 0	
SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XX'±0.5'	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		



1		2		3		4		5		6		7		8	
										REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
Table1															
Serial number	Dimensions (in/mm) E	Serial number	Dimensions (in/mm) E	Serial number	Dimensions (in/mm) F	Serial number	Dimensions (in/mm) F	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H	Serial number	Dimensions (in/mm) H
01	.059(1.50)	19	.236(6.00)	01	.059(1.50)	19	.236(6.00)	01	.217(5.50)	19	.571(14.50)	37	.925(23.50)	55	1.280(32.50)
02	.069(1.75)	20	.246(6.25)	02	.069(1.75)	20	.246(6.25)	02	.236(6.00)	20	.591(15.00)	38	.945(24.00)	56	1.299(33.00)
03	.079(2.00)	21	.256(6.50)	03	.079(2.00)	21	.256(6.50)	03	.256(6.50)	21	.610(15.50)	39	.965(24.50)	57	1.319(33.50)
04	.089(2.25)	22	.266(6.75)	04	.089(2.25)	22	.266(6.75)	04	.276(7.00)	22	.630(16.00)	40	.984(25.00)	58	1.339(34.00)
05	.098(2.50)	23	.276(7.00)	05	.098(2.50)	23	.276(7.00)	05	.295(7.50)	23	.650(16.50)	41	1.004(25.50)	59	1.358(34.50)
06	.108(2.75)	24	.285(7.25)	06	.108(2.75)	24	.285(7.25)	06	.315(8.00)	24	.669(17.00)	42	1.024(26.00)	60	1.378(35.00)
07	.118(3.00)	25	.295(7.50)	07	.118(3.00)	25	.295(7.50)	07	.335(8.50)	25	.689(17.50)	43	1.043(26.50)	61	1.398(35.50)
08	.128(3.25)	26	.305(7.75)	08	.128(3.25)	26	.305(7.75)	08	.354(9.00)	26	.709(18.00)	44	1.063(27.00)	62	1.417(36.00)
09	.138(3.50)	27	.315(8.00)	09	.138(3.50)	27	.315(8.00)	09	.374(9.50)	27	.728(18.50)	45	1.083(27.50)	63	1.437(36.50)
10	.148(3.75)	28	.325(8.25)	10	.148(3.75)	28	.325(8.25)	10	.394(10.00)	28	.748(19.00)	46	1.102(28.00)	64	1.457(37.00)
11	.157(4.00)	29	.335(8.50)	11	.157(4.00)	29	.335(8.50)	11	.413(10.50)	29	.768(19.50)	47	1.122(28.50)	65	1.476(37.50)
12	.167(4.25)	30	.344(8.75)	12	.167(4.25)	30	.344(8.75)	12	.433(11.00)	30	.787(20.00)	48	1.142(29.00)	66	1.496(38.00)
13	.177(4.50)	31	.354(9.00)	13	.177(4.50)	31	.354(9.00)	13	.453(11.50)	31	.807(20.50)	49	1.161(29.50)	67	1.516(38.50)
14	.187(4.75)	32	.364(9.25)	14	.187(4.75)	32	.364(9.25)	14	.472(12.00)	32	.827(21.00)	50	1.181(30.00)	68	1.535(39.00)
15	.197(5.00)	33	.374(9.50)	15	.197(5.00)	33	.374(9.50)	15	.492(12.50)	33	.846(21.50)	51	1.201(30.50)	69	1.555(39.50)
16	.207(5.25)	34	.384(9.75)	16	.207(5.25)	34	.384(9.75)	16	.512(13.00)	34	.866(22.00)	52	1.220(31.00)	70	1.575(40.00)
17	.217(5.50)	35	.394(10.00)	17	.217(5.50)	35	.394(10.00)	17	.531(13.50)	35	.886(22.50)	53	1.240(31.50)	71	1.594(40.50)
18	.226(5.75)			18	.226(5.75)			18	.551(14.00)	36	.906(23.00)	54	1.260(32.00)	72	1.614(41.00)
														73	1.634(41.50)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X:±5'	FRANK	24/DEC/19	FPH25454-DXXSXXXXXXXXXB	FPH25454	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE	REV 0	
	X.XX±.006(0.15)	.XX'±1'	CHEERY	24/DEC/19	Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)	SHEET NO. 2/3	
SCALE	SIZE	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	
5:1	A4			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	FPH25454-D02SXXXXXXXXXB	—	.100(2.54)	42	FPH25454-D42SXXXXXXXXXB	2.000(50.80)	2.100(53.34)
4	FPH25454-D04SXXXXXXXXXB	.100(2.54)	.200(5.08)	44	FPH25454-D44SXXXXXXXXXB	2.100(53.34)	2.200(55.88)
6	FPH25454-D06SXXXXXXXXXB	.200(5.08)	.300(7.62)	46	FPH25454-D46SXXXXXXXXXB	2.200(55.88)	2.300(58.42)
8	FPH25454-D08SXXXXXXXXXB	.300(7.62)	.400(10.16)	48	FPH25454-D48SXXXXXXXXXB	2.300(58.42)	2.400(60.96)
10	FPH25454-D10SXXXXXXXXXB	.400(10.16)	.500(12.70)	50	FPH25454-D50SXXXXXXXXXB	2.400(60.96)	2.500(63.50)
12	FPH25454-D12SXXXXXXXXXB	.500(12.70)	.600(15.24)	52	FPH25454-D52SXXXXXXXXXB	2.500(63.50)	2.600(66.04)
14	FPH25454-D14SXXXXXXXXXB	.600(15.24)	.700(17.78)	54	FPH25454-D54SXXXXXXXXXB	2.600(66.04)	2.700(68.58)
16	FPH25454-D16SXXXXXXXXXB	.700(17.78)	.800(20.32)	56	FPH25454-D56SXXXXXXXXXB	2.700(68.58)	2.800(71.12)
18	FPH25454-D18SXXXXXXXXXB	.800(20.32)	.900(22.86)	58	FPH25454-D58SXXXXXXXXXB	2.800(71.12)	2.900(73.66)
20	FPH25454-D20SXXXXXXXXXB	.900(22.86)	1.000(25.40)	60	FPH25454-D60SXXXXXXXXXB	2.900(73.66)	3.000(76.20)
22	FPH25454-D22SXXXXXXXXXB	1.000(25.40)	1.100(27.94)	62	FPH25454-D62SXXXXXXXXXB	3.000(76.20)	3.100(78.74)
24	FPH25454-D24SXXXXXXXXXB	1.100(27.94)	1.200(30.48)	64	FPH25454-D64SXXXXXXXXXB	3.100(78.74)	3.200(81.28)
26	FPH25454-D26SXXXXXXXXXB	1.200(30.48)	1.300(33.02)	66	FPH25454-D66SXXXXXXXXXB	3.200(81.28)	3.300(83.82)
28	FPH25454-D28SXXXXXXXXXB	1.300(33.02)	1.400(35.56)	68	FPH25454-D68SXXXXXXXXXB	3.300(83.82)	3.400(86.36)
30	FPH25454-D30SXXXXXXXXXB	1.400(35.56)	1.500(38.10)	70	FPH25454-D70SXXXXXXXXXB	3.400(86.36)	3.500(88.90)
32	FPH25454-D32SXXXXXXXXXB	1.500(38.10)	1.600(40.64)	72	FPH25454-D72SXXXXXXXXXB	3.500(88.90)	3.600(91.44)
34	FPH25454-D34SXXXXXXXXXB	1.600(40.64)	1.700(43.18)	74	FPH25454-D74SXXXXXXXXXB	3.600(91.44)	3.700(93.98)
36	FPH25454-D36SXXXXXXXXXB	1.700(43.18)	1.800(45.72)	76	FPH25454-D76SXXXXXXXXXB	3.700(93.98)	3.800(96.52)
38	FPH25454-D38SXXXXXXXXXB	1.800(45.72)	1.900(48.26)	78	FPH25454-D78SXXXXXXXXXB	3.800(96.52)	3.900(99.06)
40	FPH25454-D40SXXXXXXXXXB	1.900(48.26)	2.000(50.80)	80	FPH25454-D80SXXXXXXXXXB	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25454-DXXSXXXXXXXXXB	ITEM NO. FPH25454	 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(DIP)		
		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 0