

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

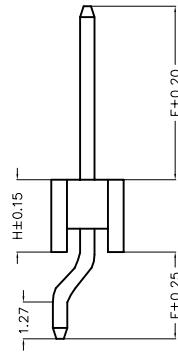
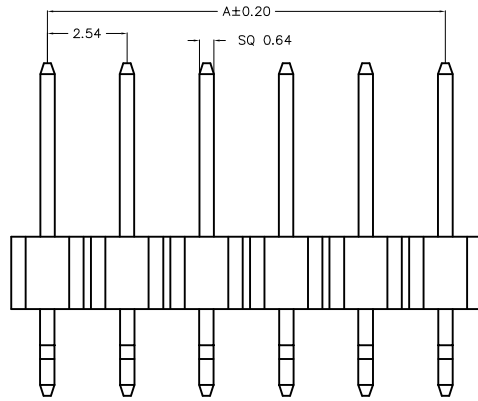
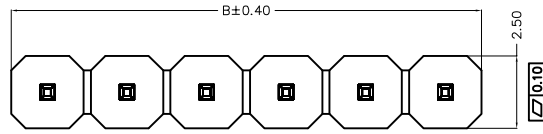
**SPECIFICATIONS**

**Electrical**

Current Rating: 3A AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 1000 MΩ Min  
 Voltage Proof: 1000V AC r.m.s  
 Temperature Range—Operating: -40°C~+105°C

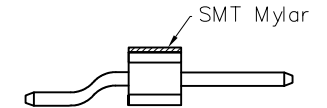
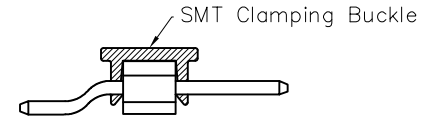
**Material and Finish**

Housing: Glass Filled Polyester (UL94V-0)  
 Pin: Brass  
 Pin Plating: Gold plated/ Selective gold plated on contact area and 120μ" Min. matte tin plated on tails area



Packaging: M—Reel(With Cap)  
 (Only for H=2.50)

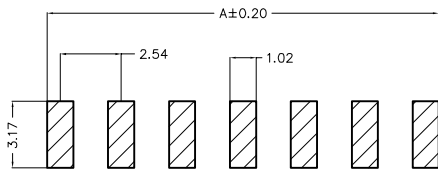
Packaging: W—Reel(With Mylar)



**Ordering Information**

FPH 254 82 — S XX B X XX 4 XX XX X 0 X  
 1 2 3 4 5 6 7 8 9 10 11 12 13

1   <b>Category</b> FPH—Pin Header	2   <b>Series Number</b> 254—Pitch 2.54mm	3   <b>Distinction No.</b> 82	4   <b>Row Option</b> S—Single Row	5   <b>Circuits</b> XX	6   <b>Entry Angle</b> B—90° Angle	7   <b>Plating</b> 1—Gold plated 3—Selective gold plated on contact area and matte tin plated on tails area
8   <b>Thickness of Plating</b> 01—1μ" 15—15μ" Custom plate available	9   <b>Material—Resin</b> 1—PBT 4—PA6T 5—PA9T	10   <b>E Size</b> 01,02...—Serial number (See Table1)	11   <b>F Size</b> 01,02...—Serial number (See Table1)	12   <b>H Size</b> 1,2...—Serial number (See Table1)	13   <b>Packaging</b> M—Reel(With Cap) W—Reel(With Mylar)	



**Recommended P.C.Board Layout**  
 Tolerance ±0.05

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY FRANK</p>	<p>DATE 24/MAR/22</p>	<p>PART NO. FPH25482—SXXBXX4XXXXXX0X</p>	<p>ITEM NO. FPH25482</p>	<p>Leader Of Industry</p>
	<p>X. ±0.30</p>	<p>X.* ±5'</p>	<p>CHECKED BY CHERRY</p>	<p>DATE 24/MAR/22</p>	<p>TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(SMT)</p>	<p>REV 0</p>	
<p>DESIGN UNITS Metric</p>	<p>X.X ±0.20</p>	<p>X.X' ±2'</p>	<p>DRAWN BY IRENE</p>	<p>DATE 24/MAR/22</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX ±0.15</p>	<p>X.XX' ±1'</p>	<p>X.XXX ±0.10</p>	<p>X.XXX' ±0.5'</p>	<p> </p>	

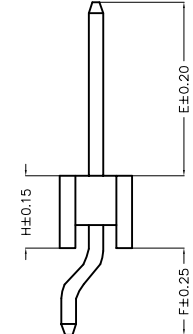
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)	Serial number	Dimensions(in/mm)
	E		E
01	1.50	19	6.00
02	1.75	20	6.25
03	2.00	21	6.50
04	2.25	22	6.75
05	2.50	23	7.00
06	2.75	24	7.25
07	3.00	25	7.50
08	3.25	26	7.75
09	3.50	27	8.00
10	3.75	28	8.25
11	4.00	29	8.50
12	4.25	30	8.75
13	4.50	31	9.00
14	4.75	32	9.25
15	5.00	33	9.50
16	5.25	34	9.75
17	5.50	35	10.00
18	5.75		

Serial number	Dimensions(in/mm)	Serial number	Dimensions(in/mm)
	F		F
01	4.00	19	8.50
02	4.25	20	8.75
03	4.50	21	9.00
04	4.75	22	9.25
05	5.00	23	9.50
06	5.25	24	9.75
07	5.50	25	10.00
08	5.75		
09	6.00		
10	6.25		
11	6.50		
12	6.75		
13	7.00		
14	7.25		
15	7.50		
16	7.75		
17	8.00		
18	8.25		

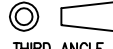



Serial number	Dimensions(in/mm)
	F
4	2.50

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>	
	X. ±0.30	X.* ±5'	FRANK	24/MAR/22	FPH25482-SXXBXXX4XXXXXX0X	FPH25482		
	DESIGN UNITS Metric	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE		REV 0
	SCALE 5:1	X.XX ±0.15	X.XX' ±1'	CHERRY	24/MAR/22	Board to Board(Pin Header) Pitch 2.54mm 90° Angle(SMT)		SHEET NO. 2/3
	X.XXX ±0.10	X.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			
			IRENE	24/MAR/22				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
1	FPH25482-S01BXXX4XXXXX0X	—	2.54	21	FPH25482-S21BXXX4XXXXX0X	50.80	53.34
2	FPH25482-S02BXXX4XXXXX0X	2.54	5.08	22	FPH25482-S22BXXX4XXXXX0X	53.34	55.88
3	FPH25482-S03BXXX4XXXXX0X	5.08	7.62	23	FPH25482-S23BXXX4XXXXX0X	55.88	58.42
4	FPH25482-S04BXXX4XXXXX0X	7.62	10.16	24	FPH25482-S24BXXX4XXXXX0X	58.42	60.96
5	FPH25482-S05BXXX4XXXXX0X	10.16	12.70	25	FPH25482-S25BXXX4XXXXX0X	60.96	63.50
6	FPH25482-S06BXXX4XXXXX0X	12.70	15.24	26	FPH25482-S26BXXX4XXXXX0X	63.50	66.04
7	FPH25482-S07BXXX4XXXXX0X	15.24	17.78	27	FPH25482-S27BXXX4XXXXX0X	66.04	68.58
8	FPH25482-S08BXXX4XXXXX0X	17.78	20.32	28	FPH25482-S28BXXX4XXXXX0X	68.58	71.12
9	FPH25482-S09BXXX4XXXXX0X	20.32	22.86	29	FPH25482-S29BXXX4XXXXX0X	71.12	73.66
10	FPH25482-S10BXXX4XXXXX0X	22.86	25.40	30	FPH25482-S30BXXX4XXXXX0X	73.66	76.20
11	FPH25482-S11BXXX4XXXXX0X	25.40	27.94	31	FPH25482-S31BXXX4XXXXX0X	76.20	78.74
12	FPH25482-S12BXXX4XXXXX0X	27.94	30.48	32	FPH25482-S32BXXX4XXXXX0X	78.74	81.28
13	FPH25482-S13BXXX4XXXXX0X	30.48	33.02	33	FPH25482-S33BXXX4XXXXX0X	81.28	83.82
14	FPH25482-S14BXXX4XXXXX0X	33.02	35.56	34	FPH25482-S34BXXX4XXXXX0X	83.82	86.36
15	FPH25482-S15BXXX4XXXXX0X	35.56	38.10	35	FPH25482-S35BXXX4XXXXX0X	86.36	88.90
16	FPH25482-S16BXXX4XXXXX0X	38.10	40.64	36	FPH25482-S36BXXX4XXXXX0X	88.90	91.44
17	FPH25482-S17BXXX4XXXXX0X	40.64	43.18	37	FPH25482-S37BXXX4XXXXX0X	91.44	93.98
18	FPH25482-S18BXXX4XXXXX0X	43.18	45.72	38	FPH25482-S38BXXX4XXXXX0X	93.98	96.52
19	FPH25482-S19BXXX4XXXXX0X	45.72	48.26	39	FPH25482-S39BXXX4XXXXX0X	96.52	99.06
20	FPH25482-S20BXXX4XXXXX0X	48.26	50.80	40	FPH25482-S40BXXX4XXXXX0X	99.06	101.60

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/MAR/22	PART NO. FPH25482-SXXBXXX4XXXXX0X	ITEM NO. FPH25482	 Leader Of Industry
	X. ±0.30    X.* ±5'	CHECKED BY CHERRY	DATE 24/MAR/22	TITLE Board to Board(Pin Header) Pitch 2.54mm 90° Angle(SMT)	REV 0    SHEET NO. 3/3		
DESIGN UNITS Metric	X.XX ±0.20    X.X.* ±2'	DRAWN BY IRENE	DATE 24/MAR/22	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 ±0.10    X.XXX.* ±0.5'					