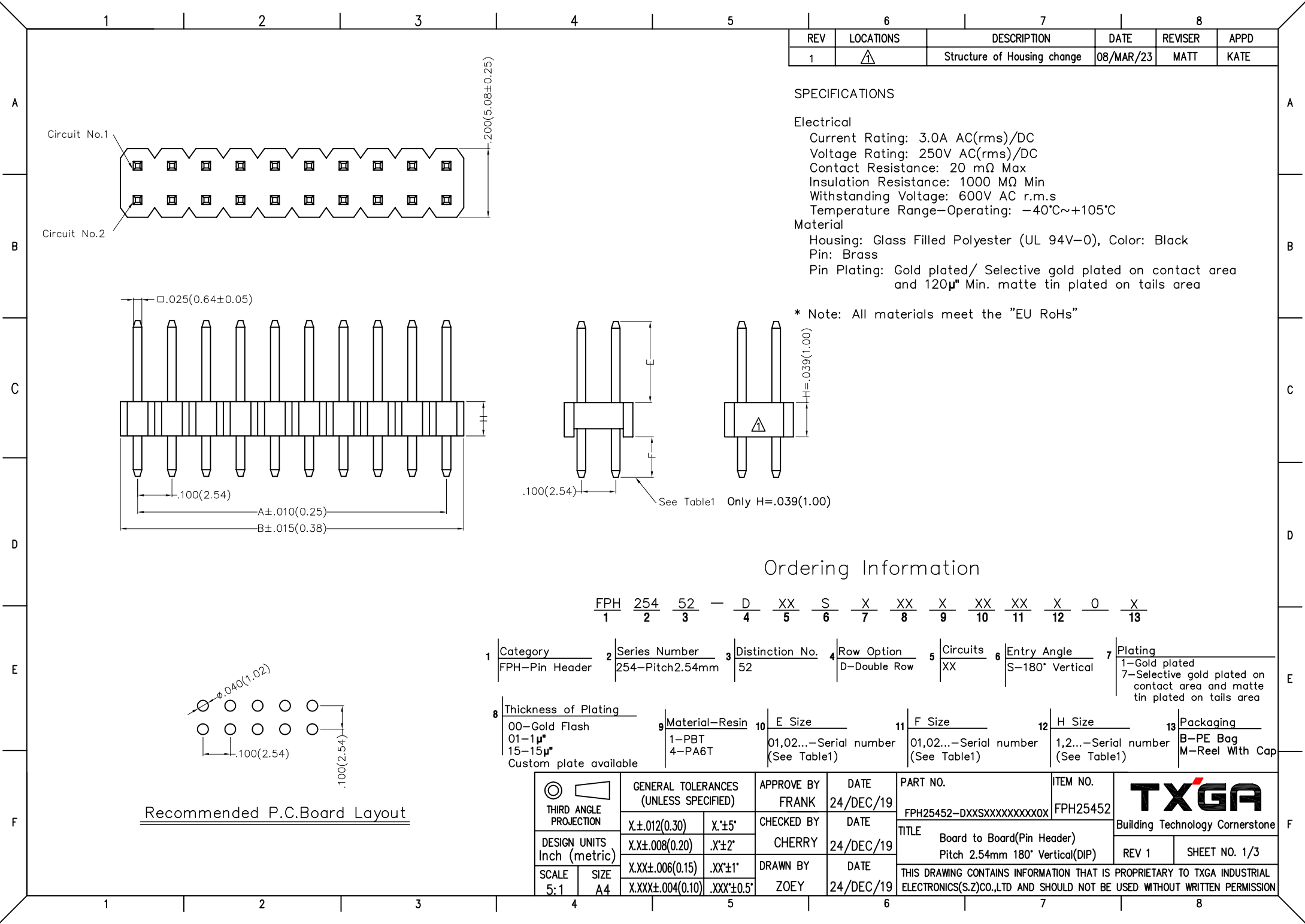




REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Structure of Housing change	08/MAR/23	MATT	KATE

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

* Note: All materials meet the "EU RoHs"

Ordering Information

FPH 254 52 — D XX S X XX X XX XX X 0 X 1 2 3 4 5 6 7 8 9 10 11 12 13																				
1	Category		2	Series Number		3	Distinction No.		4	Row Option		5	Circuits		6	Entry Angle		7	Plating	
	FPH—Pin Header			254—Pitch2.54mm			52			D—Double Row			XX			S—180° Vertical			1—Gold plated 7—Selective gold plated on contact area and matte tin plated on tails area	
8	Thickness of Plating			9	Material—Resin		10	E Size		11	F Size		12	H Size		13	Packaging			
	00—Gold Flash 01—1μ" 15—15μ" Custom plate available				1—PBT 4—PA6T			01,02...—Serial number (See Table1)			01,02...—Serial number (See Table1)			1,2...—Serial number (See Table1)			B—PE Bag M—Reel With Cap			

Recommended P.C.Board Layout

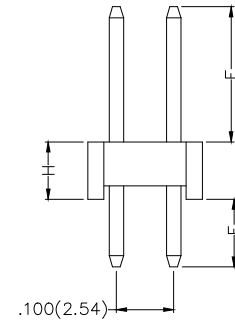
 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25452-DXXSXXXXXXXXXXOX		ITEM NO. FPH25452		 Building Technology Cornerstone	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)		REV 1		SHEET NO. 1/3	
		X.X±.008(0.20)	.X±2°	CHERRY	24/DEC/19						
		SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1°	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			
		X.XXX±.004(0.10)	.XXX±0.5°	ZOEY	24/DEC/19						
4		5		6		7		8			

1		2		3		4		5		6		7		8	
Table1										REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Table1

Serial number	Dimensions(in/mm)	Serial number	Dimensions(in/mm)
	E		E
00	0	30	.344(8.75)
01	.059(1.50)	31	.354(9.00)
02	.069(1.75)	32	.364(9.25)
03	.079(2.00)	33	.374(9.50)
04	.089(2.25)	34	.384(9.75)
05	.098(2.50)	35	.394(10.00)
06	.108(2.75)	36	.404(10.25)
07	.118(3.00)	37	.413(10.50)
08	.128(3.25)	38	.423(10.75)
09	.138(3.50)	39	.433(11.00)
10	.148(3.75)	40	.443(11.25)
11	.157(4.00)	41	.453(11.50)
12	.167(4.25)	42	.463(11.75)
13	.177(4.50)	43	.472(12.00)
14	.187(4.75)	44	.482(12.25)
15	.197(5.00)	45	.492(12.50)
16	.207(5.25)	46	.502(12.75)
17	.217(5.50)	47	.512(13.00)
18	.226(5.75)	48	.522(13.25)
19	.236(6.00)	49	.531(13.50)
20	.246(6.25)	50	.541(13.75)
21	.256(6.50)	51	.551(14.00)
22	.266(6.75)	52	.561(14.25)
23	.276(7.00)	53	.571(14.50)
24	.285(7.25)	54	.581(14.75)
25	.295(7.50)	55	.591(15.00)
26	.305(7.75)	56	.600(15.25)
27	.315(8.00)	57	.610(15.50)
28	.325(8.25)	58	.620(15.75)
29	.335(8.50)	59	.630(16.00)

Serial number	Dimensions(in/mm)	Serial number	Dimensions(in/mm)
	F		F
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)	49	.531(13.50)



Serial number	Dimensions(in/mm)
	H
1	.039(1.00)
2	.059(1.50)
3	.079(2.00)
4	.098(2.50)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25452-DXXSXXXXXXXXXX0X	ITEM NO. FPH25452	 Building Technology Cornerstone	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	CHERRY	24/DEC/19	Board to Board(Pin Header) Pitch 2.54mm 180° Vertical(DIP)		REV 1	SHEET NO. 2/3
		X.XX±.006(0.15)	.XX±1°	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			
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	ZOEY	24/DEC/19				

Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FPH25452-D02SXXXXXXXXX0X	—	.100(2.54)	42	FPH25452-D42SXXXXXXXXX0X	2.000(50.80)	2.100(53.34)
4	FPH25452-D04SXXXXXXXXX0X	.100(2.54)	.200(5.08)	44	FPH25452-D44SXXXXXXXXX0X	2.100(53.34)	2.200(55.88)
6	FPH25452-D06SXXXXXXXXX0X	.200(5.08)	.300(7.62)	46	FPH25452-D46SXXXXXXXXX0X	2.200(55.88)	2.300(58.42)
8	FPH25452-D08SXXXXXXXXX0X	.300(7.62)	.400(10.16)	48	FPH25452-D48SXXXXXXXXX0X	2.300(58.42)	2.400(60.96)
10	FPH25452-D10SXXXXXXXXX0X	.400(10.16)	.500(12.70)	50	FPH25452-D50SXXXXXXXXX0X	2.400(60.96)	2.500(63.50)
12	FPH25452-D12SXXXXXXXXX0X	.500(12.70)	.600(15.24)	52	FPH25452-D52SXXXXXXXXX0X	2.500(63.50)	2.600(66.04)
14	FPH25452-D14SXXXXXXXXX0X	.600(15.24)	.700(17.78)	54	FPH25452-D54SXXXXXXXXX0X	2.600(66.04)	2.700(68.58)
16	FPH25452-D16SXXXXXXXXX0X	.700(17.78)	.800(20.32)	56	FPH25452-D56SXXXXXXXXX0X	2.700(68.58)	2.800(71.12)
18	FPH25452-D18SXXXXXXXXX0X	.800(20.32)	.900(22.86)	58	FPH25452-D58SXXXXXXXXX0X	2.800(71.12)	2.900(73.66)
20	FPH25452-D20SXXXXXXXXX0X	.900(22.86)	1.000(25.40)	60	FPH25452-D60SXXXXXXXXX0X	2.900(73.66)	3.000(76.20)
22	FPH25452-D22SXXXXXXXXX0X	1.000(25.40)	1.100(27.94)	62	FPH25452-D62SXXXXXXXXX0X	3.000(76.20)	3.100(78.74)
24	FPH25452-D24SXXXXXXXXX0X	1.100(27.94)	1.200(30.48)	64	FPH25452-D64SXXXXXXXXX0X	3.100(78.74)	3.200(81.28)
26	FPH25452-D26SXXXXXXXXX0X	1.200(30.48)	1.300(33.02)	66	FPH25452-D66SXXXXXXXXX0X	3.200(81.28)	3.300(83.82)
28	FPH25452-D28SXXXXXXXXX0X	1.300(33.02)	1.400(35.56)	68	FPH25452-D68SXXXXXXXXX0X	3.300(83.82)	3.400(86.36)
30	FPH25452-D30SXXXXXXXXX0X	1.400(35.56)	1.500(38.10)	70	FPH25452-D70SXXXXXXXXX0X	3.400(86.36)	3.500(88.90)
32	FPH25452-D32SXXXXXXXXX0X	1.500(38.10)	1.600(40.64)	72	FPH25452-D72SXXXXXXXXX0X	3.500(88.90)	3.600(91.44)
34	FPH25452-D34SXXXXXXXXX0X	1.600(40.64)	1.700(43.18)	74	FPH25452-D74SXXXXXXXXX0X	3.600(91.44)	3.700(93.98)
36	FPH25452-D36SXXXXXXXXX0X	1.700(43.18)	1.800(45.72)	76	FPH25452-D76SXXXXXXXXX0X	3.700(93.98)	3.800(96.52)
38	FPH25452-D38SXXXXXXXXX0X	1.800(45.72)	1.900(48.26)	78	FPH25452-D78SXXXXXXXXX0X	3.800(96.52)	3.900(99.06)
40	FPH25452-D40SXXXXXXXXX0X	1.900(48.26)	2.000(50.80)	80	FPH25452-D80SXXXXXXXXX0X	3.900(99.06)	4.000(101.60)

THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)

SCALE
5:1

SIZE
A4

GENERAL TOLERANCES
(UNLESS SPECIFIED)

X.±.012(0.30)

X.±5"

X.X±.008(0.20)

.X"±2"

X.XX±.006(0.15)

.XX"±1"

X.XXX±.004(0.10)

.XXX"±0.5"

APPROVE BY
FRANK

CHECKED BY
CHERRY

DRAWN BY
ZOEY

DATE
24/DEC/19

DATE
24/DEC/19

DATE
24/DEC/19

PART NO.
FPH25452-DXXSXXXXXXXXXX0X

TITLE
Board to Board(Pin Header)
Pitch 2.54mm 180° Vertical(DIP)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL
ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ITEM NO.
FPH25452

Building Technology Cornerstone

REV 1

SHEET NO. 3/3

TXGA

Building Technology Cornerstone