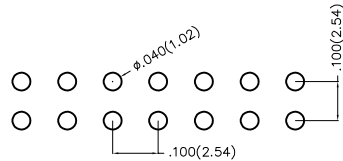
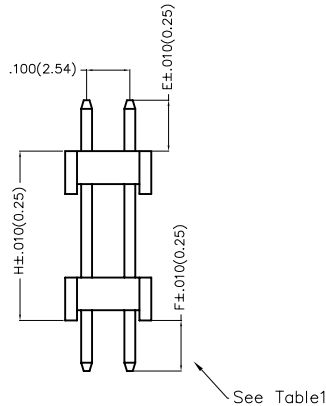
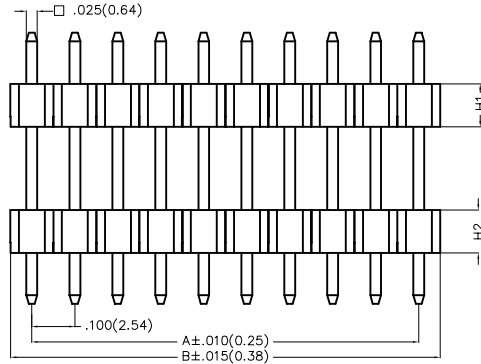
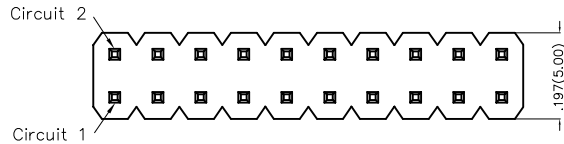


Dimensions(in/mm)	
H	H1+H2
.118(3.00)	.059(1.50)+.059(1.50)
.138(3.50)	.059(1.50)+.079(2.00)
.157(4.00)	.079(2.00)+.079(2.00)
.177(4.50)	.079(2.00)+.098(2.50)
≥.197(5.00)	.098(2.50)+.098(2.50)



Recommended P.C.Board Layout

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 53 — 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—Pitch2.54mm	3	Distinction No. 53	4	Row Option D—Double Row	5	Circuits XX	6	Entry Angle S—180° Vertical	7	Plating 1—Gold plated 6—Nickel 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 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		

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25453-DXXSXXXXXXXXXXB	ITEM NO. FPH25453	 Building Technology Cornerstone		
		X.±.012(0.30)	X.±5'	CHECKED BY	DATE	TITLE	REV 0			SHEET NO. 1/3
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)				
		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					

		1		2		3		4		5		6		7		8							
												REV	LOCATIONS		DESCRIPTION		DATE	REVISED	APPD				
Table1																							
A	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	Serial number	Dimensions (in/mm)	A						
		E		E		E		F		F		H		H		H							
B	01	.059(1.50)	28	.325(8.25)	55	.591(15.00)	01	.059(1.50)	19	.236(6.00)	01	.118(3.00)	23	.551(14.00)	45	.984(25.00)	B						
	02	.069(1.75)	29	.335(8.50)	56	.600(15.25)	02	.069(1.75)	20	.246(6.25)	02	.138(3.50)	24	.571(14.50)	46	1.004(25.50)							
	03	.079(2.00)	30	.344(8.75)	57	.610(15.50)	03	.079(2.00)	21	.256(6.50)	03	.157(4.00)	25	.591(15.00)	47	1.024(26.00)							
	04	.089(2.25)	31	.354(9.00)	58	.620(15.75)	04	.089(2.25)	22	.266(6.75)	04	.177(4.50)	26	.610(15.50)	48	1.043(26.50)							
	05	.098(2.50)	32	.364(9.25)	59	.630(16.00)	05	.098(2.50)	23	.276(7.00)	05	.197(5.00)	27	.630(16.00)	49	1.063(27.00)							
	06	.108(2.75)	33	.374(9.50)	60	.640(16.25)	06	.108(2.75)	24	.285(7.25)	06	.217(5.50)	28	.650(16.50)	50	1.083(27.50)							
C	07	.118(3.00)	34	.384(9.75)	61	.650(16.50)	07	.118(3.00)	25	.295(7.50)	07	.236(6.00)	29	.669(17.00)	51	1.102(28.00)	C						
	08	.128(3.25)	35	.394(10.00)	62	.659(16.75)	08	.128(3.25)	26	.305(7.75)	08	.256(6.50)	30	.689(17.50)	52	1.122(28.50)							
	09	.138(3.50)	36	.404(10.25)	63	.669(17.00)	09	.138(3.50)	27	.315(8.00)	09	.276(7.00)	31	.709(18.00)	53	1.142(29.00)							
	10	.148(3.75)	37	.413(10.50)	64	.679(17.25)	10	.148(3.75)	28	.325(8.25)	10	.295(7.50)	32	.728(18.50)	54	1.161(29.50)							
	11	.157(4.00)	38	.423(10.75)	65	.689(17.50)	11	.157(4.00)	29	.335(8.50)	11	.315(8.00)	33	.748(19.00)	55	1.181(30.00)							
	12	.167(4.25)	39	.433(11.00)	66	.699(17.75)	12	.167(4.25)	30	.344(8.75)	12	.335(8.50)	34	.768(19.50)	56	1.201(30.50)							
D	13	.177(4.50)	40	.443(11.25)	67	.709(18.00)	13	.177(4.50)	31	.354(9.00)	13	.354(9.00)	35	.787(20.00)	57	1.220(31.00)	D						
	14	.187(4.75)	41	.453(11.50)	68	.719(18.25)	14	.187(4.75)	32	.364(9.25)	14	.374(9.50)	36	.807(20.50)	58	1.240(31.50)							
	15	.197(5.00)	42	.463(11.75)	69	.728(18.50)	15	.197(5.00)	33	.374(9.50)	15	.394(10.00)	37	.827(21.00)	59	1.260(32.00)							
	16	.207(5.25)	43	.472(12.00)	70	.738(18.75)	16	.207(5.25)	34	.384(9.75)	16	.413(10.50)	38	.846(21.50)	60	1.280(32.50)							
	17	.217(5.50)	44	.482(12.25)	71	.748(19.00)	17	.217(5.50)	35	.394(10.00)	17	.433(11.00)	39	.866(22.00)	61	1.299(33.00)							
	18	.226(5.75)	45	.492(12.50)	72	.758(19.25)	18	.226(5.75)			18	.453(11.50)	40	.886(22.50)	62	1.319(33.50)							
E	19	.236(6.00)	46	.502(12.75)	73	.768(19.50)	19	.236(6.00)			19	.472(12.00)	41	.906(23.00)	63	1.339(34.00)	E						
	20	.246(6.25)	47	.512(13.00)	74	.778(19.75)	20	.246(6.25)			20	.492(12.50)	42	.925(23.50)	64	1.358(34.50)							
	21	.256(6.50)	48	.522(13.25)	75	.787(20.00)	21	.256(6.50)			21	.512(13.00)	43	.945(24.00)	65	1.378(35.00)							
	22	.266(6.75)	49	.531(13.50)	76	.797(20.25)	22	.266(6.75)			22	.531(13.50)	44	.965(24.50)	A3	2.165(55.00)							
	23	.276(7.00)	50	.541(13.75)	77	.807(20.50)																	
	24	.285(7.25)	51	.551(14.00)	78	.817(20.75)																	
F	25	.295(7.50)	52	.561(14.25)	79	.827(21.00)											F						
	26	.305(7.75)	53	.571(14.50)																			
	27	.315(8.00)	54	.581(14.75)																			

THIRD ANGLE PROJECTION

DESIGN UNITS

Inch (metric)

SCALE

5:1

SIZE

A4

GENERAL TOLERANCES (UNLESS SPECIFIED)

X.±.012(0.30)

X.X±.008(0.20)

X.XX±.006(0.15)

X.XXX±.004(0.10)

APPROVE BY

FRANK

CHECKED BY

CHERRY

DRAWN BY

ZOEY

DATE

24/DEC/19

DATE

24/DEC/19

DATE

24/DEC/19

PART NO.

FPH25453-DXXSXXXXXXXXXXB

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.

FPH25453

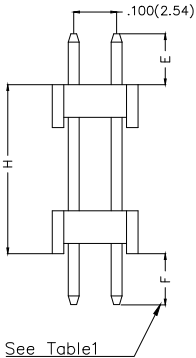
REV 0

SHEET NO. 2/3

TXGA

Building Technology Cornerstone

<



THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)

SCALE
5:1

SIZE
A4

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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°

APPROVE BY
FRANK

CHECKED BY
CHERRY

DRAWN BY
ZOEY

DATE
24/DEC/19

DATE
24/DEC/19

DATE
24/DEC/19

PART NO.
FPH25453-DXXSXXXXXXXXXXB

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.
FPH25453

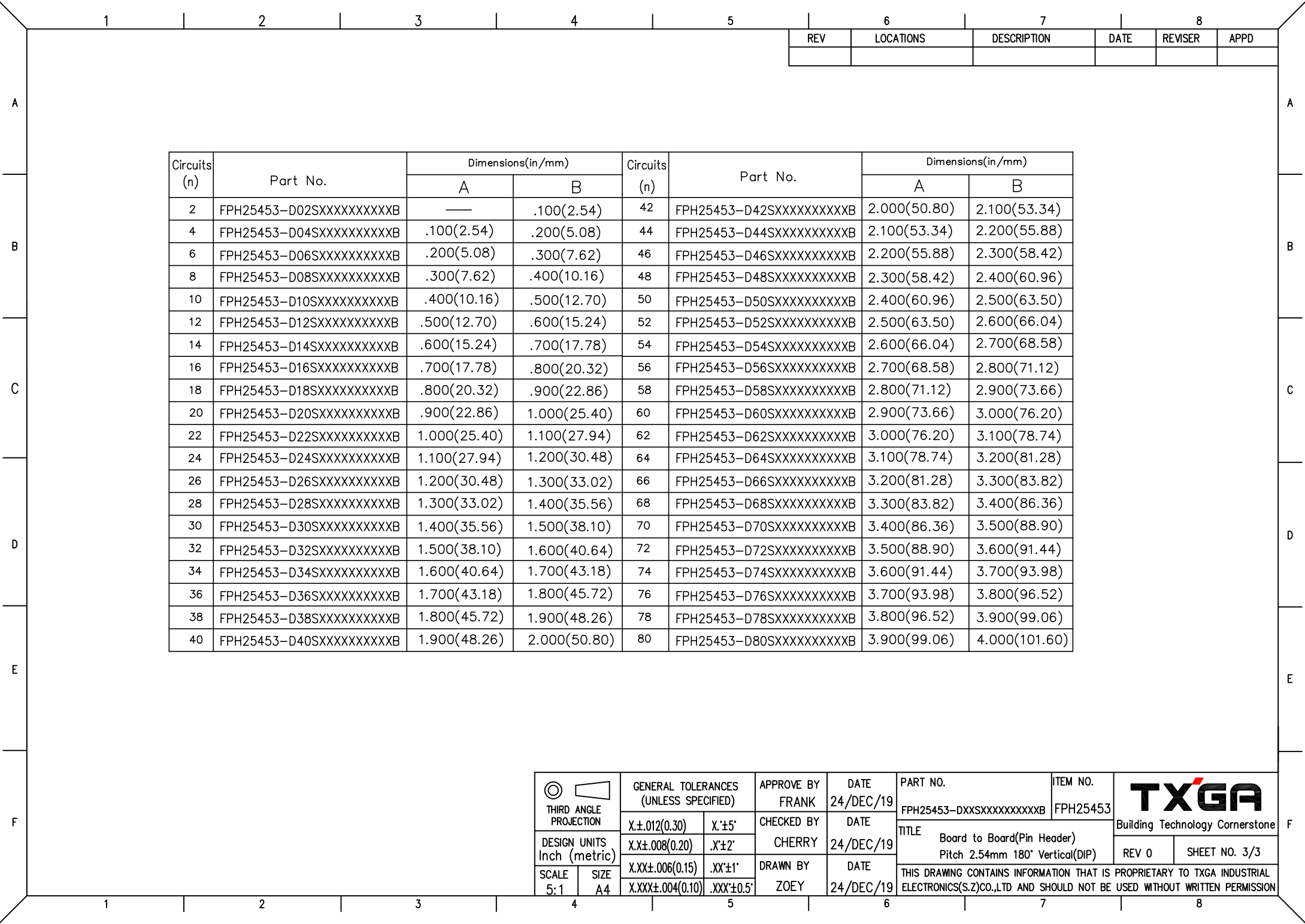
Building Technology Cornerstone

REV 0

SHEET NO. 2/3

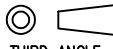
TXGA

Building Technology Cornerstone



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	FPH25453-D02SXXXXXXXXXXB	—	.100(2.54)	42	FPH25453-D42SXXXXXXXXXXB	2.000(50.80)	2.100(53.34)
4	FPH25453-D04SXXXXXXXXXXB	.100(2.54)	.200(5.08)	44	FPH25453-D44SXXXXXXXXXXB	2.100(53.34)	2.200(55.88)
6	FPH25453-D06SXXXXXXXXXXB	.200(5.08)	.300(7.62)	46	FPH25453-D46SXXXXXXXXXXB	2.200(55.88)	2.300(58.42)
8	FPH25453-D08SXXXXXXXXXXB	.300(7.62)	.400(10.16)	48	FPH25453-D48SXXXXXXXXXXB	2.300(58.42)	2.400(60.96)
10	FPH25453-D10SXXXXXXXXXXB	.400(10.16)	.500(12.70)	50	FPH25453-D50SXXXXXXXXXXB	2.400(60.96)	2.500(63.50)
12	FPH25453-D12SXXXXXXXXXXB	.500(12.70)	.600(15.24)	52	FPH25453-D52SXXXXXXXXXXB	2.500(63.50)	2.600(66.04)
14	FPH25453-D14SXXXXXXXXXXB	.600(15.24)	.700(17.78)	54	FPH25453-D54SXXXXXXXXXXB	2.600(66.04)	2.700(68.58)
16	FPH25453-D16SXXXXXXXXXXB	.700(17.78)	.800(20.32)	56	FPH25453-D56SXXXXXXXXXXB	2.700(68.58)	2.800(71.12)
18	FPH25453-D18SXXXXXXXXXXB	.800(20.32)	.900(22.86)	58	FPH25453-D58SXXXXXXXXXXB	2.800(71.12)	2.900(73.66)
20	FPH25453-D20SXXXXXXXXXXB	.900(22.86)	1.000(25.40)	60	FPH25453-D60SXXXXXXXXXXB	2.900(73.66)	3.000(76.20)
22	FPH25453-D22SXXXXXXXXXXB	1.000(25.40)	1.100(27.94)	62	FPH25453-D62SXXXXXXXXXXB	3.000(76.20)	3.100(78.74)
24	FPH25453-D24SXXXXXXXXXXB	1.100(27.94)	1.200(30.48)	64	FPH25453-D64SXXXXXXXXXXB	3.100(78.74)	3.200(81.28)
26	FPH25453-D26SXXXXXXXXXXB	1.200(30.48)	1.300(33.02)	66	FPH25453-D66SXXXXXXXXXXB	3.200(81.28)	3.300(83.82)
28	FPH25453-D28SXXXXXXXXXXB	1.300(33.02)	1.400(35.56)	68	FPH25453-D68SXXXXXXXXXXB	3.300(83.82)	3.400(86.36)
30	FPH25453-D30SXXXXXXXXXXB	1.400(35.56)	1.500(38.10)	70	FPH25453-D70SXXXXXXXXXXB	3.400(86.36)	3.500(88.90)
32	FPH25453-D32SXXXXXXXXXXB	1.500(38.10)	1.600(40.64)	72	FPH25453-D72SXXXXXXXXXXB	3.500(88.90)	3.600(91.44)
34	FPH25453-D34SXXXXXXXXXXB	1.600(40.64)	1.700(43.18)	74	FPH25453-D74SXXXXXXXXXXB	3.600(91.44)	3.700(93.98)
36	FPH25453-D36SXXXXXXXXXXB	1.700(43.18)	1.800(45.72)	76	FPH25453-D76SXXXXXXXXXXB	3.700(93.98)	3.800(96.52)
38	FPH25453-D38SXXXXXXXXXXB	1.800(45.72)	1.900(48.26)	78	FPH25453-D78SXXXXXXXXXXB	3.800(96.52)	3.900(99.06)
40	FPH25453-D40SXXXXXXXXXXB	1.900(48.26)	2.000(50.80)	80	FPH25453-D80SXXXXXXXXXXB	3.900(99.06)	4.000(101.60)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 24/DEC/19	PART NO. FPH25453-DXXSXXXXXXXXXXB	ITEM NO. FPH25453	 Building Technology Cornerstone	
		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)			
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			
		X.XX±.006(0.15)	.XX'±1'						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)				REV 0 SHEET NO. 3/3			