

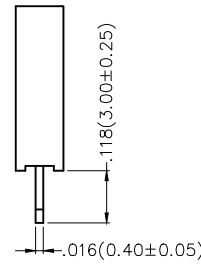
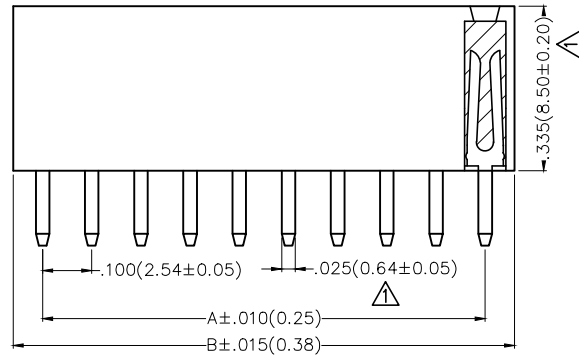
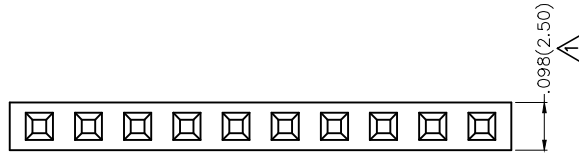
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	07/SEP/20	KATE	CHERRY

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -40°C ~+105°C

Material and Plating

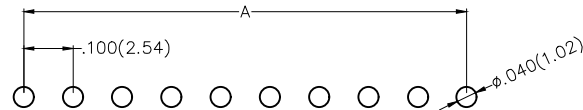
Housing: PBT/PA6T(UL 94V-0)
Contact Pin: Brass
Plating: Gold Plated/Selective gold in contact area,
tin on tail



Ordering Information

FFH 254 05 — S XX S X XX X K6 X
1 2 3 4 5 6 7 8 9 10 11

1 Category FFH—Female Header	2 Series Number 254—Pitch 2.54mm	3 Distinction No. 05	4 Row Option S—Single row	5 Circuits XX	6 Entry Angle S—180° Vertical
7 Plating 1—Gold Plated 3—Selective gold in contact area, tin on tail	8 Thickness of Plating 00—Gold Flash 05—5μ" Custom plate available	9 Material—Resin 1—PBT 4—PA6T	10 Color—Resin K6—Black	11 Packaging K—Tray L—PE Tube	



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 12/AUG/13	PART NO. FFH25405-SXXSXXXK6X	ITEM NO. FFH25405	 Leader Of Industry	
	X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE Board to Board (Female Header) Pitch 2.54mm 180° Vertical (DIP)			
	X.X±.008(0.20)	.X°±2°	CHERRY	12/AUG/13			REV 1	SHEET NO. 1/2
	DESIGN UNITS Inch (metric)	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	X.XXX±.004(0.10)	.XXX±0.5°	JACOB	12/AUG/13				

A						6		7		8	
						REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
B											
C											
D											
E											
F											

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
2	FFH25405-S02SXXXXK6X	.100(2.54)	.220(5.58)
3	FFH25405-S03SXXXXK6X	.200(5.08)	.320(8.12)
4	FFH25405-S04SXXXXK6X	.300(7.62)	.420(10.66)
5	FFH25405-S05SXXXXK6X	.400(10.16)	.520(13.20)
6	FFH25405-S06SXXXXK6X	.500(12.70)	.620(15.74)
7	FFH25405-S07SXXXXK6X	.600(15.24)	.720(18.28)
8	FFH25405-S08SXXXXK6X	.700(17.78)	.820(20.82)
9	FFH25405-S09SXXXXK6X	.800(20.32)	.920(23.36)
10	FFH25405-S10BXXXXK6K	.900(22.86)	1.020(25.90)
11	FFH25405-S11SXXXXK6X	1.000(25.40)	1.120(28.44)
12	FFH25405-S12SXXXXK6X	1.100(27.94)	1.220(30.98)
13	FFH25405-S13SXXXXK6X	1.200(30.48)	1.320(33.52)
14	FFH25405-S14SXXXXK6X	1.300(33.02)	1.420(36.06)
15	FFH25405-S15SXXXXK6X	1.400(35.56)	1.520(38.60)
16	FFH25405-S16SXXXXK6X	1.500(38.10)	1.620(41.14)
17	FFH25405-S17SXXXXK6X	1.600(40.64)	1.720(43.68)
18	FFH25405-S18SXXXXK6X	1.700(43.18)	1.820(46.22)
19	FFH25405-S19SXXXXK6K	1.800(45.72)	1.920(48.76)
20	FFH25405-S20SXXXXK6X	1.900(48.26)	2.020(51.30)
21	FFH25405-S21SXXXXK6X	2.000(50.80)	2.120(53.84)

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
22	FFH25405-S22SXXXXK6X	2.100(53.34)	2.220(56.38)
23	FFH25405-S23SXXXXK6X	2.200(55.88)	2.320(58.92)
24	FFH25405-S24SXXXXK6X	2.300(58.42)	2.420(61.46)
25	FFH25405-S25SXXXXK6X	2.400(60.96)	2.520(64.00)
26	FFH25405-S26SXXXXK6X	2.500(63.50)	2.620(66.54)
27	FFH25405-S27SXXXXK6X	2.600(66.04)	2.720(69.08)
28	FFH25405-S28SXXXXK6X	2.700(68.58)	2.820(71.62)
29	FFH25405-S29SXXXXK6X	2.800(71.12)	2.920(74.16)
30	FFH25405-S30SXXXXK6X	2.900(73.66)	3.020(76.70)
31	FFH25405-S31SXXXXK6X	3.000(76.20)	3.120(79.24)
32	FFH25405-S32SXXXXK6X	3.100(78.74)	3.220(81.78)
33	FFH25405-S33SXXXXK6X	3.200(81.28)	3.320(84.32)
34	FFH25405-S34SXXXXK6X	3.300(83.82)	3.420(86.86)
35	FFH25405-S35SXXXXK6X	3.400(86.36)	3.520(89.40)
36	FFH25405-S36SXXXXK6X	3.500(88.90)	3.620(91.94)
37	FFH25405-S37SXXXXK6X	3.600(91.44)	3.720(94.48)
38	FFH25405-S38SXXXXK6X	3.700(93.98)	3.820(97.02)
39	FFH25405-S39SXXXXK6X	3.800(96.52)	3.920(99.56)
40	FFH25405-S40SXXXXK6X	3.900(99.06)	4.020(102.10)

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
JACOB

DATE
12/AUG/13

DATE
12/AUG/13

DATE
12/AUG/13

PART NO.
FFH25405-SXXSXXXXK6X

TITLE
Board to Board (Female 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.
FFH25405

REV 1

SHEET NO. 2/2

TXGA

Leader Of Industry

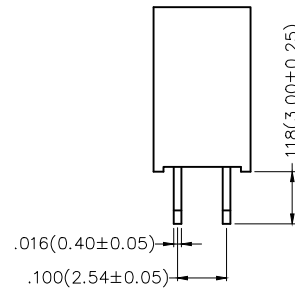
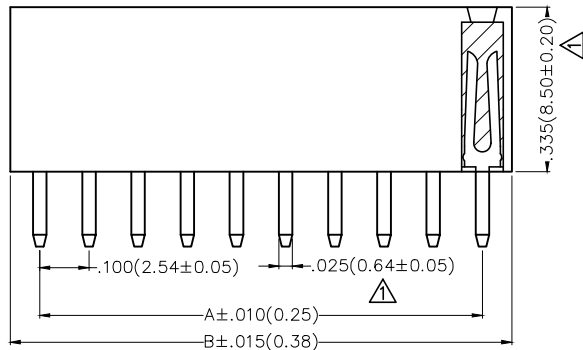
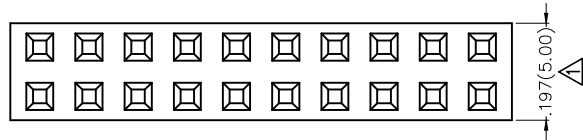
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	07/SEP/20	KATE	CHERRY

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -40°C~+105°C

Material and Plating

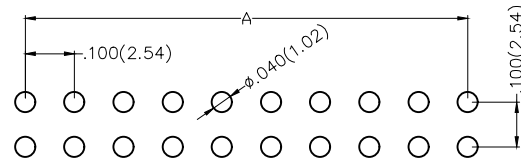
Housing: PBT/PA6T(UL 94V-0)
Contact Pin: Brass
Plating: Gold Plated/Selective gold in contact area,
tin on tail



Ordering Information

FFH 254 05 — D XX S X XX X K6 X
1 2 3 4 5 6 7 8 9 10 11

1 Category FFH—Female Header	2 Series Number 254—Pitch 2.54mm	3 Distinction No. 05	4 Row Option D—Double Row	5 Circuits XX	6 Entry Angle S—180° Vertical
7 Plating 1—Gold Plated 3—Selective gold in contact area, tin on tail	8 Thickness of Plating 00—Gold Flash 05—5μ" Custom plate available	9 Material—Resin 1—PBT 4—PA6T	10 Color—Resin K6—Black	11 Packaging K—Tray L—PE Tube	



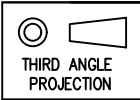
Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 12/AUG/13	PART NO. FFH25405-DXXSXXXK6X	ITEM NO. FFH25405	 Leader Of Industry	
		X±.012(0.30)	X'±5"	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X'±2"	CHERRY	12/AUG/13	Board to Board (Female Header) Pitch 2.54mm 180° Vertical (DIP)		REV 1	SHEET NO. 1/2
		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"	JACOB	12/AUG/13				

A						6		7		8	
						REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
B											
C											
D											
E											
F											

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
4	FFH25405-D04SXXXXK6X	.100(2.54)	.220(5.58)
6	FFH25405-D06SXXXXK6X	.200(5.08)	.320(8.12)
8	FFH25405-D08SXXXXK6X	.300(7.62)	.420(10.66)
10	FFH25405-D10SXXXXK6X	.400(10.16)	.520(13.20)
12	FFH25405-D12SXXXXK6X	.500(12.70)	.620(15.74)
14	FFH25405-D14SXXXXK6X	.600(15.24)	.720(18.28)
16	FFH25405-D16SXXXXK6X	.700(17.78)	.820(20.82)
18	FFH25405-D18SXXXXK6X	.800(20.32)	.920(23.36)
20	FFH25405-D20BXXXXK6K	.900(22.86)	1.020(25.90)
22	FFH25405-D22SXXXXK6X	1.000(25.40)	1.120(28.44)
24	FFH25405-D24SXXXXK6X	1.100(27.94)	1.220(30.98)
26	FFH25405-D26SXXXXK6X	1.200(30.48)	1.320(33.52)
28	FFH25405-D28SXXXXK6X	1.300(33.02)	1.420(36.06)
30	FFH25405-D30SXXXXK6X	1.400(35.56)	1.520(38.60)
32	FFH25405-D32SXXXXK6X	1.500(38.10)	1.620(41.14)
34	FFH25405-D34SXXXXK6X	1.600(40.64)	1.720(43.68)
36	FFH25405-D36SXXXXK6X	1.700(43.18)	1.820(46.22)
38	FFH25405-D38SXXXXK6K	1.800(45.72)	1.920(48.76)
40	FFH25405-D40SXXXXK6X	1.900(48.26)	2.020(51.30)
42	FFH25405-D42SXXXXK6X	2.000(50.80)	2.120(53.84)

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
44	FFH25405-D44SXXXXK6X	2.100(53.34)	2.220(56.38)
46	FFH25405-D46SXXXXK6X	2.200(55.88)	2.320(58.92)
48	FFH25405-D48SXXXXK6X	2.300(58.42)	2.420(61.46)
50	FFH25405-D50SXXXXK6X	2.400(60.96)	2.520(64.00)
52	FFH25405-D52SXXXXK6X	2.500(63.50)	2.620(66.54)
54	FFH25405-D54SXXXXK6X	2.600(66.04)	2.720(69.08)
56	FFH25405-D56SXXXXK6X	2.700(68.58)	2.820(71.62)
58	FFH25405-D58SXXXXK6X	2.800(71.12)	2.920(74.16)
60	FFH25405-D60SXXXXK6X	2.900(73.66)	3.020(76.70)
62	FFH25405-D62SXXXXK6X	3.000(76.20)	3.120(79.24)
64	FFH25405-D64SXXXXK6X	3.100(78.74)	3.220(81.78)
66	FFH25405-D66SXXXXK6X	3.200(81.28)	3.320(84.32)
68	FFH25405-D68SXXXXK6X	3.300(83.82)	3.420(86.86)
70	FFH25405-D70SXXXXK6X	3.400(86.36)	3.520(89.40)
72	FFH25405-D72SXXXXK6X	3.500(88.90)	3.620(91.94)
74	FFH25405-D74SXXXXK6X	3.600(91.44)	3.720(94.48)
76	FFH25405-D76SXXXXK6X	3.700(93.98)	3.820(97.02)
78	FFH25405-D78SXXXXK6X	3.800(96.52)	3.920(99.56)
80	FFH25405-D80SXXXXK6X	3.900(99.06)	4.020(102.10)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 12/AUG/13	PART NO. FFH25405-DXXSXXXXK6X	ITEM NO. FFH25405	 Leader Of Industry	
	X.±.012(0.30)	X.'±5'	CHECKED BY CHERRY	DATE 12/AUG/13				
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.'±2'		TITLE Board to Board (Female Header) Pitch 2.54mm 180° Vertical (DIP)		REV 1	SHEET NO. 2/2
	SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.'±1'	DRAWN BY JACOB	DATE 12/AUG/13	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)	X.'XX±0.5'				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	07/SEP/20	KATE	CHERRY

Electrical

Current Rating: 3A AC(rms)/DC

Voltage Rating: 250V AC(rms)/DC

Contact Resistance: 20 mΩ Max

Insulation Resistance: 1000 MΩ MIN

Withstanding Voltage: 500V AC r.m.s

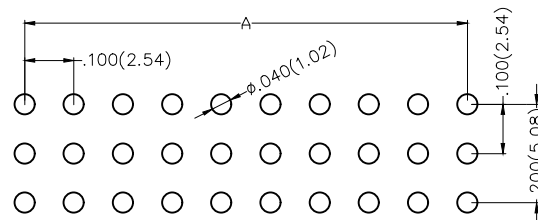
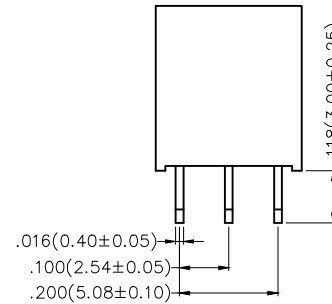
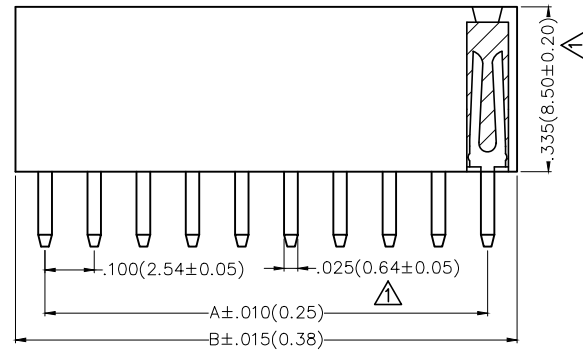
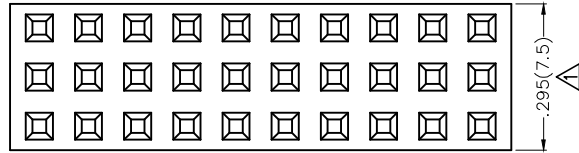
Temperature Range—Operating: -40°C~+105°C

Material and Plating

Housing: Glass Filled Polyester(UL 94V-0)

Contact Pin: Brass

Plating: Gold Plated/Selective gold in contact area,
tin on tail



Recommended P.C.Board Layout

Ordering Information

FFH 254 05 — T XX S X XX X K6 X
1 2 3 4 5 6 7 8 9 10 11

1	Category FFH—Female Header	2	Series Number 254—Pitch 2.54mm	3	Distinction No. 05	4	Row Option T—Triple Row	5	Circuits XX	6	Entry Angle S—180° Vertical
7	Plating 1—Gold Plated 3—Selective gold in contact area, tin on tail	8	Thickness of Plating 00—Gold Flash 05—5μ" Custom plate available	9	Material—Resin 1—PBT 4—PA6T	10	Color—Resin K6—Black	11	Packaging K—Tray L—PE Tube		

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 12/AUG/13	PART NO. FFH25405—TXSXXXXK6X	ITEM NO. FFH25405	 Leader Of Industry	
DESIGN UNITS Inch (metric)		X±.012(0.30)	X'±5"	CHECKED BY	DATE	TITLE Board to Board (Female Header) Pitch 2.54mm 180° Vertical (DIP)			
		X.X±.008(0.20)	.X'±2"	CHERRY	12/AUG/13				
		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"	JACOB	12/AUG/13			REV 1	SHEET NO. 1/2

A						6		7		8	
						REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
B											
C											
D											
E											
F											

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
6	FFH25405-T06SXXXXK6X	.100(2.54)	.220(5.58)
9	FFH25405-T09SXXXXK6X	.200(5.08)	.320(8.12)
12	FFH25405-T12SXXXXK6X	.300(7.62)	.420(10.66)
15	FFH25405-T15SXXXXK6X	.400(10.16)	.520(13.20)
18	FFH25405-T18SXXXXK6X	.500(12.70)	.620(15.74)
21	FFH25405-T21SXXXXK6X	.600(15.24)	.720(18.28)
24	FFH25405-T24SXXXXK6X	.700(17.78)	.820(20.82)
27	FFH25405-T27SXXXXK6X	.800(20.32)	.920(23.36)
30	FFH25405-T30SXXXXK6X	.900(22.86)	1.020(25.90)
33	FFH25405-T33BXXXXK6K	1.000(25.40)	1.120(28.44)
36	FFH25405-T36SXXXXK6X	1.100(27.94)	1.220(30.98)
39	FFH25405-T39SXXXXK6X	1.200(30.48)	1.320(33.52)
42	FFH25405-T42SXXXXK6X	1.300(33.02)	1.420(36.06)
45	FFH25405-T45SXXXXK6X	1.400(35.56)	1.520(38.60)
48	FFH25405-T48SXXXXK6X	1.500(38.10)	1.620(41.14)
51	FFH25405-T51SXXXXK6X	1.600(40.64)	1.720(43.68)
54	FFH25405-T54SXXXXK6X	1.700(43.18)	1.820(46.22)
57	FFH25405-T57SXXXXK6X	1.800(45.72)	1.920(48.76)
60	FFH25405-T60SXXXXK6K	1.900(48.26)	2.020(51.30)
63	FFH25405-T63SXXXXK6X	2.000(50.80)	2.120(53.84)

Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B
66	FFH25405-T66SXXXXK6X	2.100(53.34)	2.220(56.38)
69	FFH25405-T69SXXXXK6X	2.200(55.88)	2.320(58.92)
72	FFH25405-T72SXXXXK6X	2.300(58.42)	2.420(61.46)
75	FFH25405-T75SXXXXK6X	2.400(60.96)	2.520(64.00)
78	FFH25405-T78SXXXXK6X	2.500(63.50)	2.620(66.54)
81	FFH25405-T81SXXXXK6X	2.600(66.04)	2.720(69.08)
84	FFH25405-T84SXXXXK6X	2.700(68.58)	2.820(71.62)
87	FFH25405-T87SXXXXK6X	2.800(71.12)	2.920(74.16)
90	FFH25405-T90SXXXXK6X	2.900(73.66)	3.020(76.70)
93	FFH25405-T93SXXXXK6X	3.000(76.20)	3.120(79.24)
96	FFH25405-T96SXXXXK6X	3.100(78.74)	3.220(81.78)
99	FFH25405-T99SXXXXK6X	3.200(81.28)	3.320(84.32)
102	FFH25405-T102SXXXXK6X	3.300(83.82)	3.420(86.86)
105	FFH25405-T105SXXXXK6X	3.400(86.36)	3.520(89.40)
108	FFH25405-T108SXXXXK6X	3.500(88.90)	3.620(91.94)
111	FFH25405-T111SXXXXK6X	3.600(91.44)	3.720(94.48)
114	FFH25405-T114SXXXXK6X	3.700(93.98)	3.820(97.02)
117	FFH25405-T117SXXXXK6X	3.800(96.52)	3.920(99.56)
120	FFH25405-T120SXXXXK6X	3.900(99.06)	4.020(102.10)

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
JACOB

DATE
12/AUG/13

DATE
12/AUG/13

DATE
12/AUG/13

PART NO.
FFH25405-TXXSXXXXK6X

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL
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ITEM NO.
FFH25405

REV 1

SHEET NO. 2/2

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