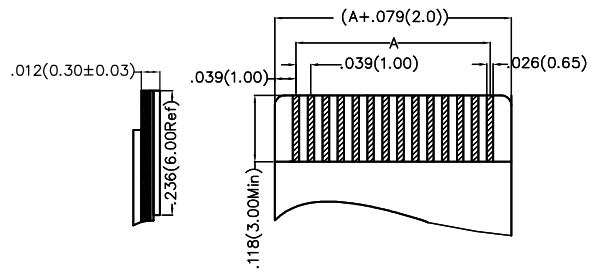
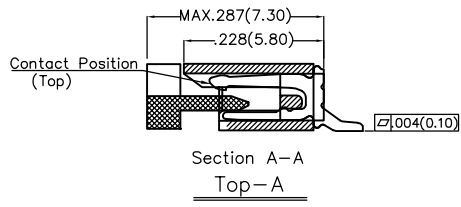
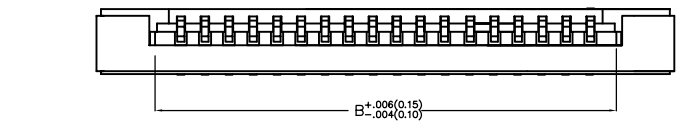
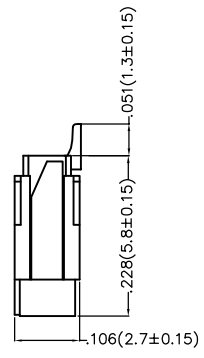
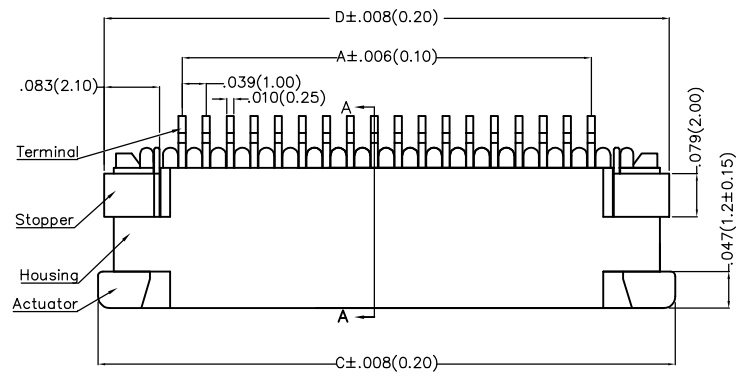


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

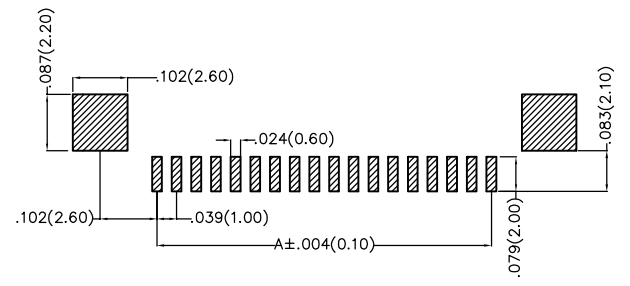
SPECIFICATIONS

Electrical  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 500 MΩ MIN  
 Withstanding Voltage: 200V AC r.m.s  
 Temperature Range-Operating: -25°C~+85°C

Material and Plating  
 Housing: Heat Resistant Polymer UL94V-0  
 Actuator: Heat Resistant Polymer UL94V-0  
 Contact: Phosphor Bronze/Tin Plated or Gold Plated  
 Stopper: Copper alloy/Tin Plated



Applicable FFC  
 Recommended Dimension



Recommended P.C.Board Layout

Ordering Information

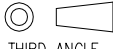

FFC 100 01 — XX S B A 1 X 4 W5 M  
 1 2 3 4 5 6 7 8 9 10 11 12

1 Category FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 01	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle B-90° Angle
7 Contact Position A-Top	8 ZIF 1-ZIF	9 Plating 1-Gold Plated 2-Tin Plated	10 Material-Resin 4-PA9T	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBA1X4W5M	ITEM NO. FFC10001	
	DESIGN UNITS Inch (metric)	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'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Top Contact SMT	
SCALE 5:1	SIZE A4	DRAWN BY CHERRY		DATE 18/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)				Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
4	FFC10001-04SBA1X4W5M	.118(3.00)	.199(5.05)	.413(10.50)	.346(8.80)	16	FFC10001-16SBA1X4W5M	.591(15.00)	.671(17.05)	.886(22.50)	.819(20.80)
5	FFC10001-05SBA1X4W5M	.157(4.00)	.238(6.05)	.453(11.50)	.356(9.80)	17	FFC10001-17SBA1X4W5M	.630(16.00)	.711(18.05)	.925(23.50)	.858(21.80)
6	FFC10001-06SBA1X4W5M	.197(5.00)	.278(7.05)	.492(12.50)	.425(10.80)	18	FFC10001-18SBA1X4W5M	.669(17.00)	.750(19.05)	.965(24.50)	.898(22.80)
7	FFC10001-07SBA1X4W5M	.236(6.00)	.317(8.05)	.531(13.50)	.465(11.80)	20	FFC10001-20SBA1X4W5M	.748(19.00)	.829(21.05)	1.047(26.50)	.976(24.80)
8	FFC10001-08SBA1X4W5M	.276(7.00)	.356(9.05)	.571(14.50)	.504(12.80)	21	FFC10001-21SBA1X4W5M	.787(20.00)	.868(22.05)	1.086(27.50)	1.016(25.80)
9	FFC10001-09SBA1X4W5M	.315(8.00)	.413(10.05)	.610(15.50)	.543(13.80)	22	FFC10001-22SBA1X4W5M	.827(21.00)	.908(23.05)	1.126(28.50)	1.055(26.80)
10	FFC10001-10SBA1X4W5M	.354(9.00)	.435(11.05)	.650(16.50)	.583(14.80)	24	FFC10001-24SBA1X4W5M	.906(23.00)	.986(25.05)	1.204(30.50)	1.134(28.80)
11	FFC10001-11SBA1X4W5M	.394(10.00)	.474(12.05)	.689(17.50)	.622(15.80)	25	FFC10001-25SBA1X4W5M	.945(24.00)	1.026(26.05)	1.244(31.50)	1.173(29.80)
12	FFC10001-12SBA1X4W5M	.433(11.00)	.514(13.05)	.728(18.50)	.661(16.80)	26	FFC10001-26SBA1X4W5M	.984(25.00)	1.065(27.05)	1.283(32.50)	1.213(30.80)
13	FFC10001-13SBA1X4W5M	.472(12.00)	.553(14.05)	.768(19.50)	.701(17.80)	27	FFC10001-27SBA1X4W5M	1.024(26.00)	1.104(28.05)	1.323(33.50)	1.252(31.80)
14	FFC10001-14SBA1X4W5M	.512(13.00)	.592(15.05)	.807(20.50)	.740(18.80)	28	FFC10001-28SBA1X4W5M	1.063(27.00)	1.144(29.05)	1.358(34.50)	1.291(32.80)
15	FFC10001-15SBA1X4W5M	.551(14.00)	.632(16.05)	.846(21.50)	.780(19.80)	30	FFC10001-30SBA1X4W5M	1.142(29.00)	1.222(31.05)	1.437(36.50)	1.370(34.80)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBA1X4W5M	ITEM NO. FFC10001	 Building Technology Cornerstone	
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Top Contact SMT	REV 0		SHEET NO. 2/5
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X±2'	DRAWN BY CHERRY	DATE 18/JUN/13	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'				

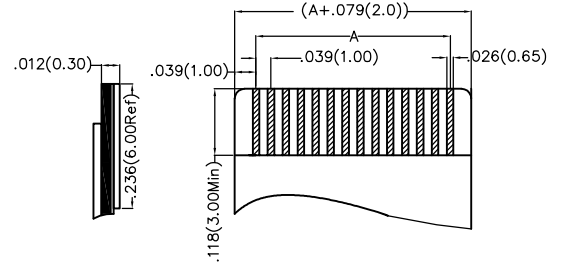
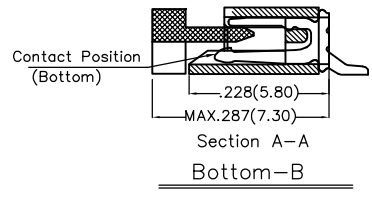
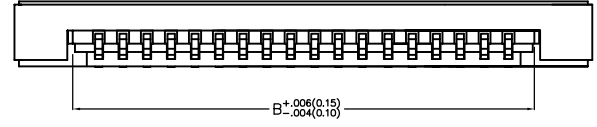
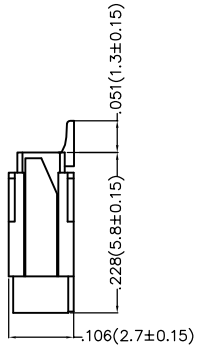
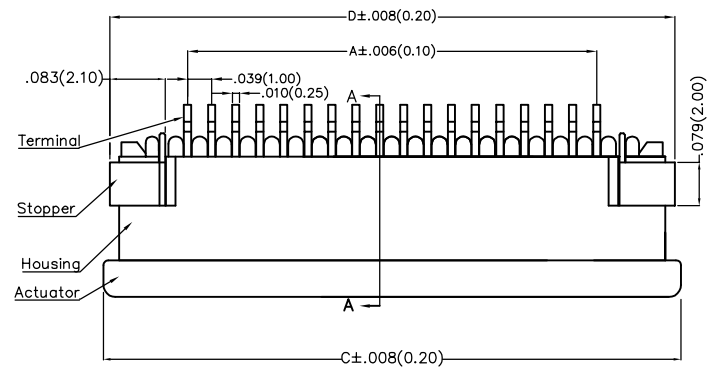
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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

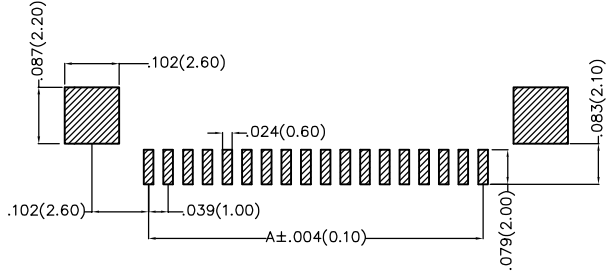
**SPECIFICATIONS**

**Electrical**  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Insulation Resistance: 500 MΩ MIN  
 Withstanding Voltage: 200V AC r.m.s  
 Temperature Range-Operating: -25°C~+85°C

**Material and Plating**  
 Housing: Heat Resistant Polymer UL94V-0  
 Actuator: Heat Resistant Polymer UL94V-0  
 Contact: Phosphor Bronze/Tin Plated or Gold Plated  
 Stopper: Copper alloy/Tin Plated



Applicable FFC Recommended Dimension



Recommended P.C.Board Layout

**Ordering Information**

FFC 100 01 — XX S B B 1 X 4 W5 M  
 1 2 3 4 5 6 7 8 9 10 11 12



1 Category FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 01	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle B-90° Angle
7 Contact Position B-Bottom	8 ZIF 1-ZIF	9 Plating 1-Gold Plated 2-Tin Plated	10 Material-Resin 4-PA9T	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBB1X4W5M	ITEM NO. FFC10001	
	DESIGN UNITS Inch (metric)	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'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Bottom Contact SMT	
SCALE 5:1	SIZE A4	DRAWN BY CHERRY		DATE 18/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

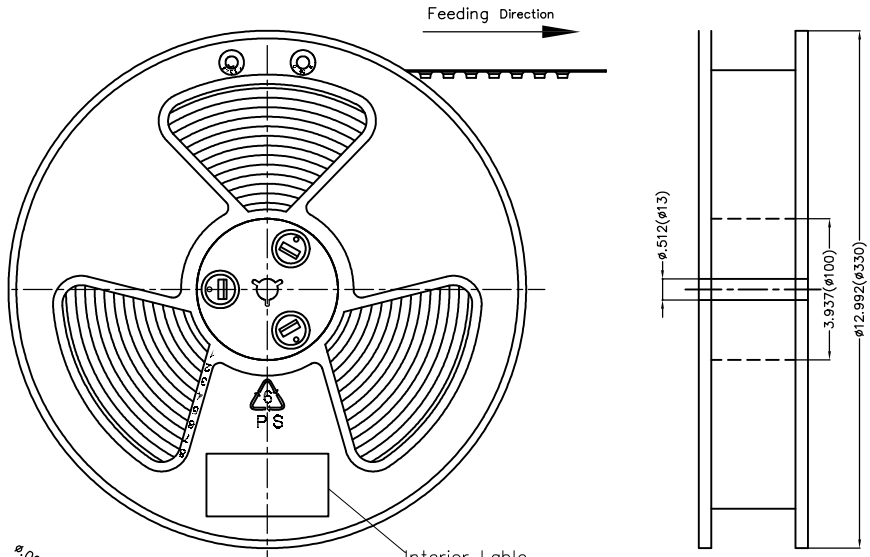
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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)				Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
4	FFC10001-04SBB1X4W5M	.118(3.00)	.199(5.05)	.413(10.50)	.346(8.80)	16	FFC10001-16SBB1X4W5M	.591(15.00)	.671(17.05)	.886(22.50)	.819(20.80)
5	FFC10001-05SBB1X4W5M	.157(4.00)	.238(6.05)	.453(11.50)	.356(9.80)	17	FFC10001-17SBB1X4W5M	.630(16.00)	.711(18.05)	.925(23.50)	.858(21.80)
6	FFC10001-06SBB1X4W5M	.197(5.00)	.278(7.05)	.492(12.50)	.425(10.80)	18	FFC10001-18SBB1X4W5M	.669(17.00)	.750(19.05)	.965(24.50)	.898(22.80)
7	FFC10001-07SBB1X4W5M	.236(6.00)	.317(8.05)	.531(13.50)	.465(11.80)	20	FFC10001-20SBB1X4W5M	.748(19.00)	.829(21.05)	1.047(26.50)	.976(24.80)
8	FFC10001-08SBB1X4W5M	.276(7.00)	.356(9.05)	.571(14.50)	.504(12.80)	21	FFC10001-21SBB1X4W5M	.787(20.00)	.868(22.05)	1.086(27.50)	1.016(25.80)
9	FFC10001-09SBB1X4W5M	.315(8.00)	.413(10.05)	.610(15.50)	.543(13.80)	22	FFC10001-22SBB1X4W5M	.827(21.00)	.908(23.05)	1.126(28.50)	1.055(26.80)
10	FFC10001-10SBB1X4W5M	.354(9.00)	.435(11.05)	.650(16.50)	.583(14.80)	24	FFC10001-24SBB1X4W5M	.906(23.00)	.986(25.05)	1.204(30.50)	1.134(28.80)
11	FFC10001-11SBB1X4W5M	.394(10.00)	.474(12.05)	.689(17.50)	.622(15.80)	25	FFC10001-25SBB1X4W5M	.945(24.00)	1.026(26.05)	1.244(31.50)	1.173(29.80)
12	FFC10001-12SBB1X4W5M	.433(11.00)	.514(13.05)	.728(18.50)	.661(16.80)	26	FFC10001-26SBB1X4W5M	.984(25.00)	1.065(27.05)	1.283(32.50)	1.213(30.80)
13	FFC10001-13SBB1X4W5M	.472(12.00)	.553(14.05)	.768(19.50)	.701(17.80)	27	FFC10001-27SBB1X4W5M	1.024(26.00)	1.104(28.05)	1.323(33.50)	1.252(31.80)
14	FFC10001-14SBB1X4W5M	.512(13.00)	.592(15.05)	.807(20.50)	.740(18.80)	28	FFC10001-28SBB1X4W5M	1.063(27.00)	1.144(29.05)	1.358(34.50)	1.291(32.80)
15	FFC10001-15SBB1X4W5M	.551(14.00)	.632(16.05)	.846(21.50)	.780(19.80)	30	FFC10001-30SBB1X4W5M	1.142(29.00)	1.222(31.05)	1.437(36.50)	1.370(34.80)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBB1X4W5M	ITEM NO. FFC10001	 Building Technology Cornerstone	
	X.±.012(0.30)	X'.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Bottom Contact SMT	REV 0		SHEET NO. 4/5
	DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY CHERRY	DATE 18/JUN/13	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'				

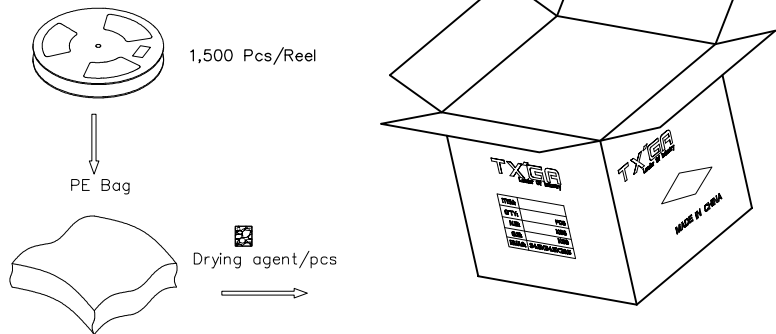
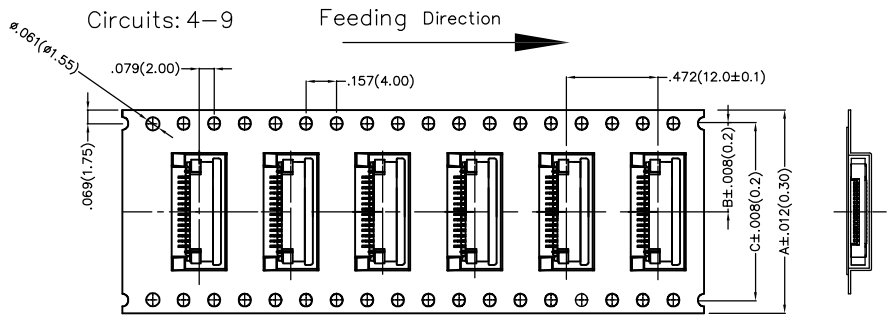
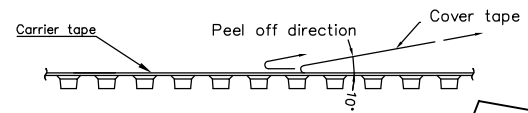
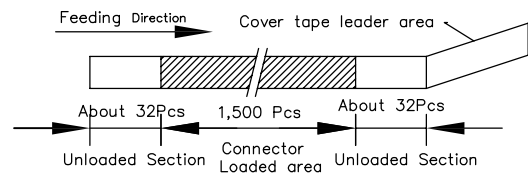
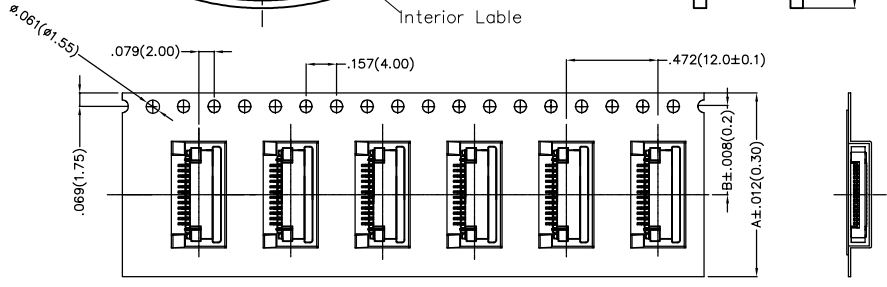
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Note:

1. 10 sprocket hole cumulative tolerance  $\pm 0.2$
2. Carrier camber is within 1.0mm in 250mm
3. Material: White Conductive polystyrene Alloy 100% recyclable
4. All dimensions meet EIA-481-3 requirements
5. Peel off force of cover tape & carrier tape: 2.0g ~ 130g (0.2N ~ 1.3N)
6. Component load per 13" reel: 1,500 pcs

Circuits (n)	Dimensions (in/mm)		
	A	B	C
4~9	.945(24.0)	.453(11.5)	—
10~16	1.260(32.0)	.561(14.25)	1.033(28.50)
17~27	1.732(44.0)	.797(20.25)	1.594(40.50)
28~30	2.240(56.0)	1.033(26.25)	2.067(52.50)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone
	X.±.012(0.30)	X.±5°	FRANK	18/JUN/13	FFC10001-XXSBX1X4W5M	FFC10001	
	X.X±.008(0.20)	.X°±2'	CHECKED BY	DATE	TITLE	REV 0	
	X.XX±.006(0.15)	.XX±1'	JACOB	18/JUN/13	FPC/FFC Connector 1.00mm SMT	SHEET NO. 5/5	
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			CHERRY	18/JUN/13		