

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

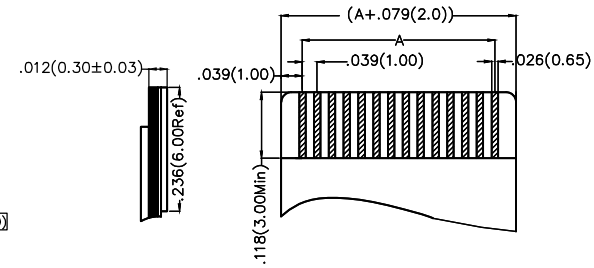
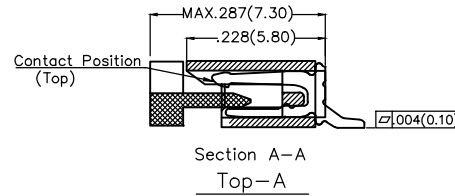
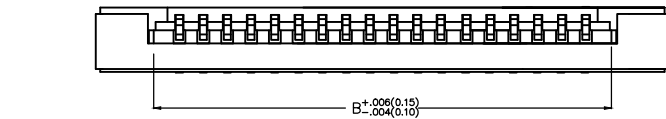
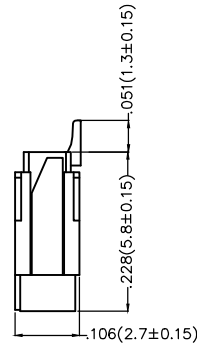
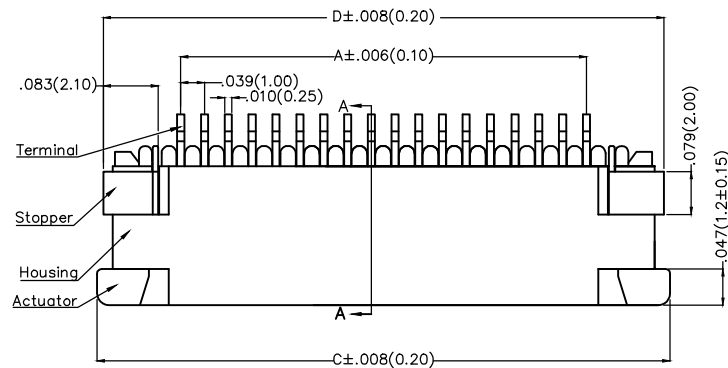
SPECIFICATIONS

Electrical

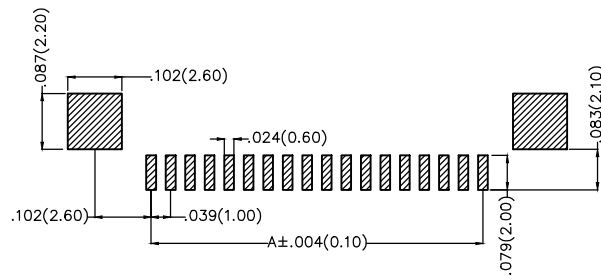
Current Rating: 0.5A AC(rms)/DC  
Voltage Rating: 50V AC(rms)/DC  
Contact Resistance: 20 mΩ Max  
Insulation Resistance: 500 MΩ MIN  
Withstanding Voltage: 200V AC r.m.s  
Temperature Range—Operating: -25°C~+85°C

Material and Plating

Housing: Heat Resistant Polymer UL94V-0  
Actuator: Heat Resistant Polymer UL94V-0  
Contact: Phosphor Bronze/Tin Plated  
Stopper: Copper alloy/Tin Plated



Applicable FFC  
Recommended Dimension



Recommended P.C.Board Layout

Ordering Information

FFC 100 01 — XX S B A 1 2 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 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-XXSBA124W5M	ITEM NO. FFC10001	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Top Contact SMT	
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1'	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	REVISED	APPD

A

A

B

B

C

C

D

D

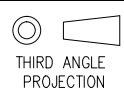

E

E

F

F

Circuits (n)	Part No.	Dimensions(in/mm)				Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
4	FFC10001-04SBA124W5M	.118(3.00)	.199(5.05)	.413(10.50)	.346(8.80)	16	FFC10001-16SBA124W5M	.591(15.00)	.671(17.05)	.886(22.50)	.819(20.80)
5	FFC10001-05SBA124W5M	.157(4.00)	.238(6.05)	.453(11.50)	.356(9.80)	17	FFC10001-17SBA124W5M	.630(16.00)	.711(18.05)	.925(23.50)	.858(21.80)
6	FFC10001-06SBA124W5M	.197(5.00)	.278(7.05)	.492(12.50)	.425(10.80)	18	FFC10001-18SBA124W5M	.669(17.00)	.750(19.05)	.965(24.50)	.898(22.80)
7	FFC10001-07SBA124W5M	.236(6.00)	.317(8.05)	.531(13.50)	.465(11.80)	20	FFC10001-20SBA124W5M	.748(19.00)	.829(21.05)	1.047(26.50)	.976(24.80)
8	FFC10001-08SBA124W5M	.276(7.00)	.356(9.05)	.571(14.50)	.504(12.80)	21	FFC10001-21SBA124W5M	.787(20.00)	.868(22.05)	1.086(27.50)	1.016(25.80)
9	FFC10001-09SBA124W5M	.315(8.00)	.413(10.05)	.610(15.50)	.543(13.80)	22	FFC10001-22SBA124W5M	.827(21.00)	.908(23.05)	1.126(28.50)	1.055(26.80)
10	FFC10001-10SBA124W5M	.354(9.00)	.435(11.05)	.650(16.50)	.583(14.80)	24	FFC10001-24SBA124W5M	.906(23.00)	.986(25.05)	1.204(30.50)	1.134(28.80)
11	FFC10001-11SBA124W5M	.394(10.00)	.474(12.05)	.689(17.50)	.622(15.80)	25	FFC10001-25SBA124W5M	.945(24.00)	1.026(26.05)	1.244(31.50)	1.173(29.80)
12	FFC10001-12SBA124W5M	.433(11.00)	.514(13.05)	.728(18.50)	.661(16.80)	26	FFC10001-26SBA124W5M	.984(25.00)	1.065(27.05)	1.283(32.50)	1.213(30.80)
13	FFC10001-13SBA124W5M	.472(12.00)	.553(14.05)	.768(19.50)	.701(17.80)	27	FFC10001-27SBA124W5M	1.024(26.00)	1.104(28.05)	1.323(33.50)	1.252(31.80)
14	FFC10001-14SBA124W5M	.512(13.00)	.592(15.05)	.807(20.50)	.740(18.80)	28	FFC10001-28SBA124W5M	1.063(27.00)	1.144(29.05)	1.358(34.50)	1.291(32.80)
15	FFC10001-15SBA124W5M	.551(14.00)	.632(16.05)	.846(21.50)	.780(19.80)	30	FFC10001-30SBA124W5M	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-XXSBA124W5M	ITEM NO. FFC10001	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FFC/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'	X.XXX±.004(0.10)	.XXX'±0.5'		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

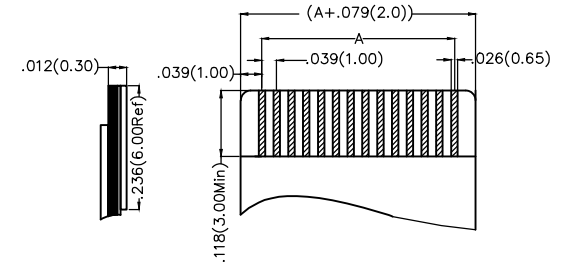
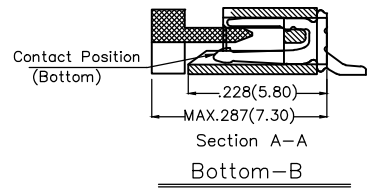
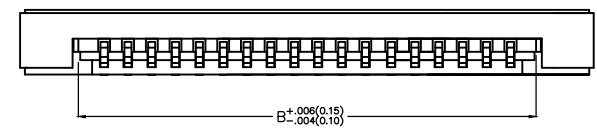
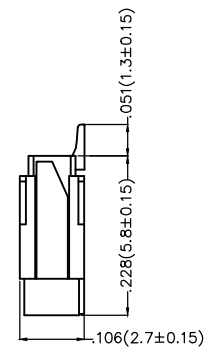
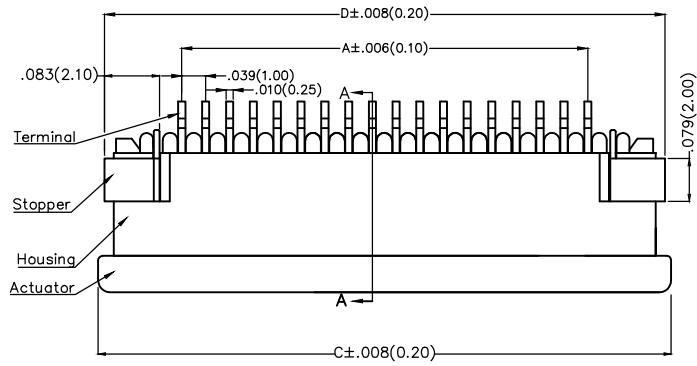
**SPECIFICATIONS**

**Electrical**

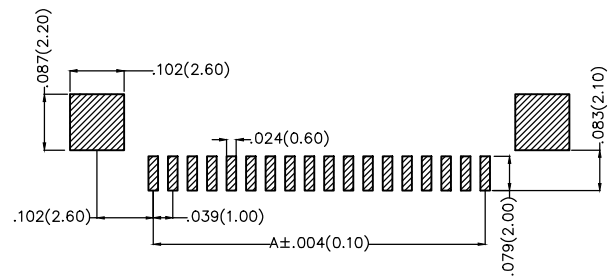
Current Rating: 0.5A AC(rms)/DC  
Voltage Rating: 50V AC(rms)/DC  
Contact Resistance: 20 mΩ Max  
Insulation Resistance: 500 MΩ MIN  
Withstanding Voltage: 200V AC r.m.s  
Temperature Range—Operating: -25°C~+85°C

**Material and Plating**

Housing: Heat Resistant Polymer UL94V-0  
Actuator: Heat Resistant Polymer UL94V-0  
Contact: Phosphor Bronze/Tin Plated  
Stopper: Copper alloy/Tin Plated



Applicable FFC Recommended Dimension




Recommended P.C.Board Layout

**Ordering Information**

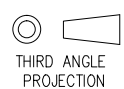

FFC 100 01 — XX S B B 1 2 4 W5 M  
1 2 3 4 5 6 7 8 9 10 11 12

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 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-XXSBB124W5M	ITEM NO. FFC10001	 Leader Of Industry
	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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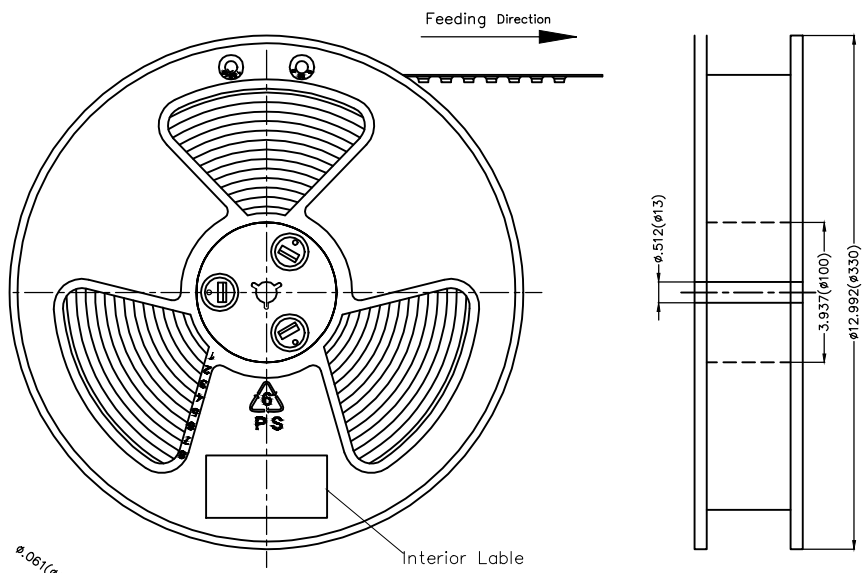
Circuits (n)	Part No.	Dimensions(in/mm)				Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
4	FFC10001-04SBB124W5M	.118(3.00)	.199(5.05)	.413(10.50)	.346(8.80)	16	FFC10001-16SBB124W5M	.591(15.00)	.671(17.05)	.886(22.50)	.819(20.80)
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 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBB124W5M	ITEM NO. FFC10001	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FFC/FFC Connector 1.00mm Bottom Contact SMT	REV 0		SHEET NO. 4/5
	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'	X.XXX±.004(0.10)	.XXX'±0.5'		

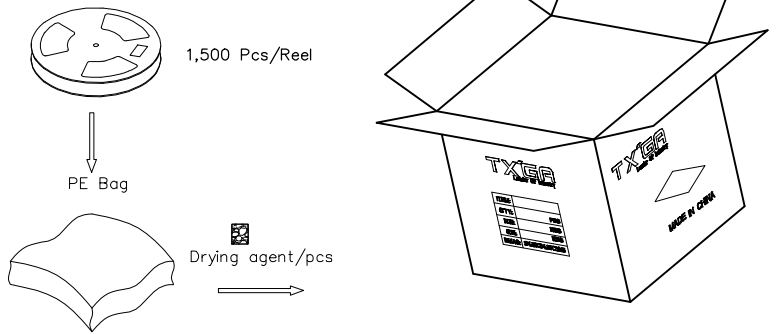
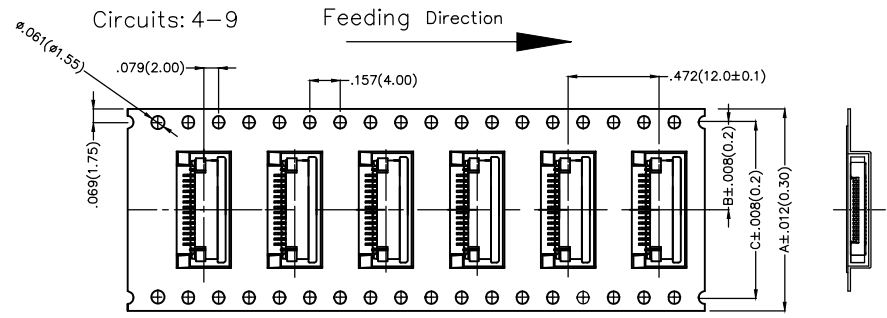
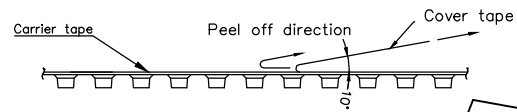
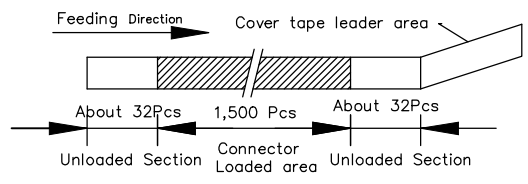
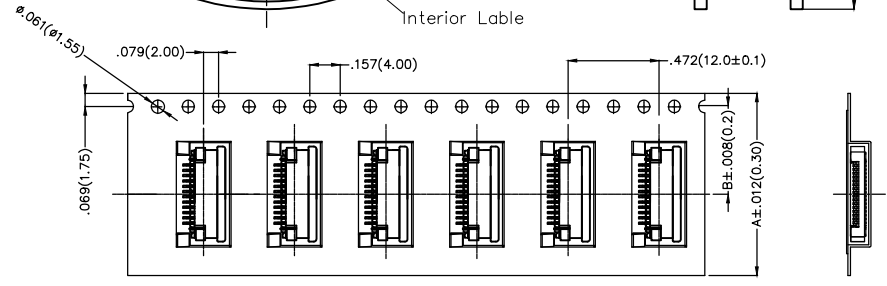
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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: 20g~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)



A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>
	X. $\pm$ .012(0.30)	X. $\pm$ 5'	FRANK	18/JUN/13	FFC10001-XXSBB124W5M	FFC10001	
	X.X $\pm$ .008(0.20)	.X $\pm$ 2'	CHECKED BY	DATE	TITLE		REV 0    SHEET NO. 5/5
	X.XX $\pm$ .006(0.15)	.XX $\pm$ 1'	JACOB	18/JUN/13	FPC/FFC Connector 1.00mm SMT		
SCALE	SIZE	X.XXX $\pm$ .004(0.10)	.XXX $\pm$ 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		

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[AYF350725A](#) [62684-502100AHLF](#) [FH39-61S-0.3SHW\(99\)](#) [AYF414035A](#) [10064555-172520HLF](#) [AYF212335A](#) [504754-2500](#)