

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

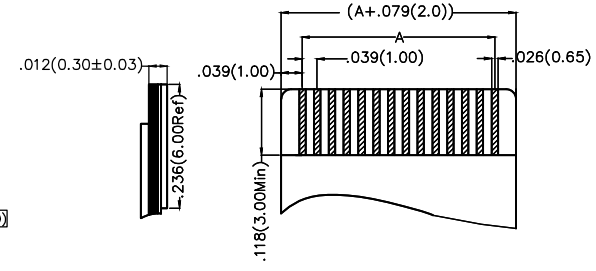
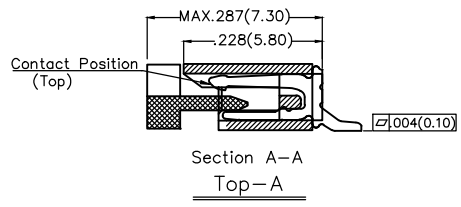
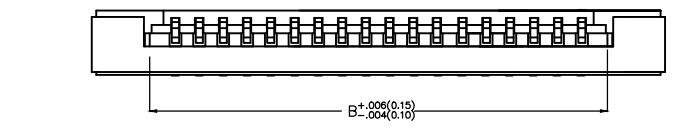
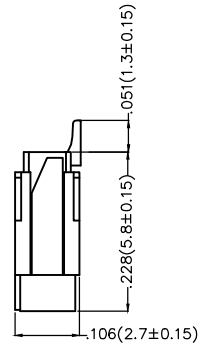
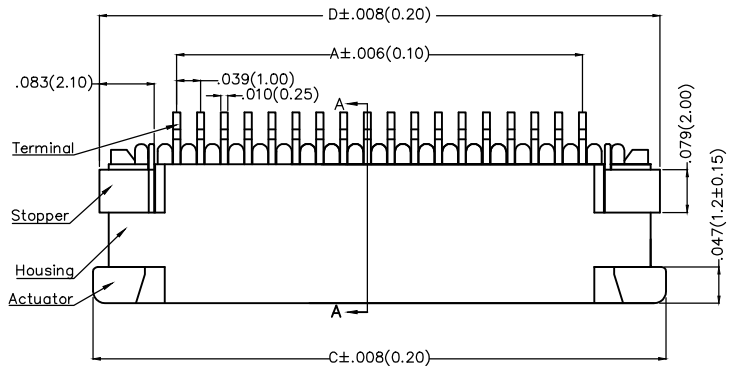
SPECIFICATIONS

Electrical

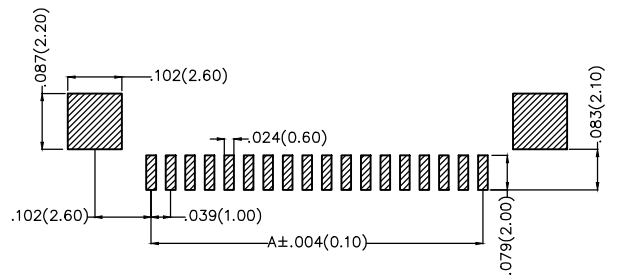
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

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

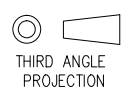

Ordering Information

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

REV	LOCATIONS	DESCRIPTION	DATE	REVISED	APPD

Circuits (n)	Part No.	Dimensions(in/mm)				Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D			A	B	C	D
4	FFC10001-04SBA124W5M	.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	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	18/JUN/13	FFC10001-XXSBA124W5M	FFC10001	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX'±1'	JACOB	18/JUN/13	FPC/FFC Connector 1.00mm Top Contact SMT		
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	REV 0	SHEET NO. 2/5

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

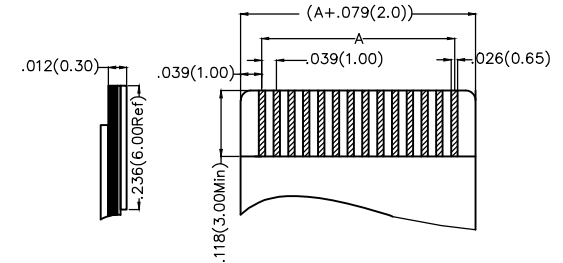
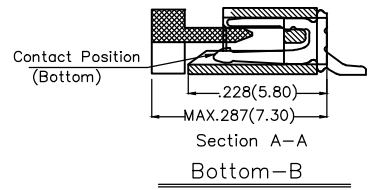
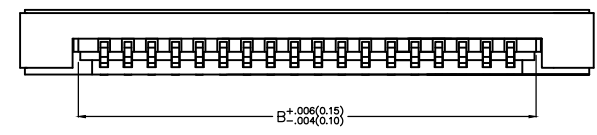
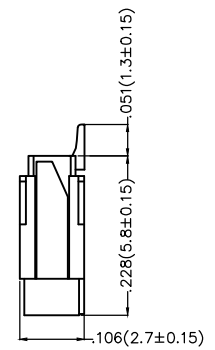
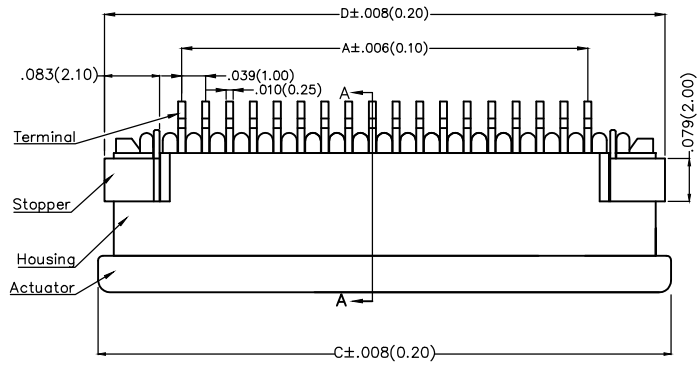
SPECIFICATIONS

Electrical

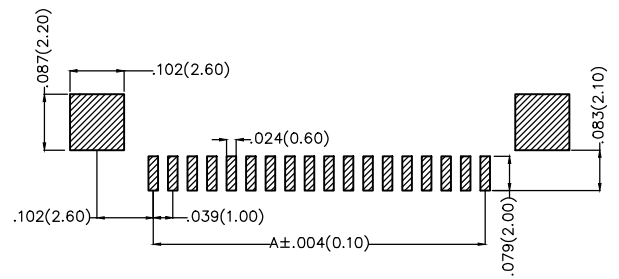
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

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

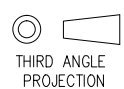

FFC 100 01 — XX S B B 1 2 4 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

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		

REV	LOCATIONS	DESCRIPTION	DATE	REVISED	APPD

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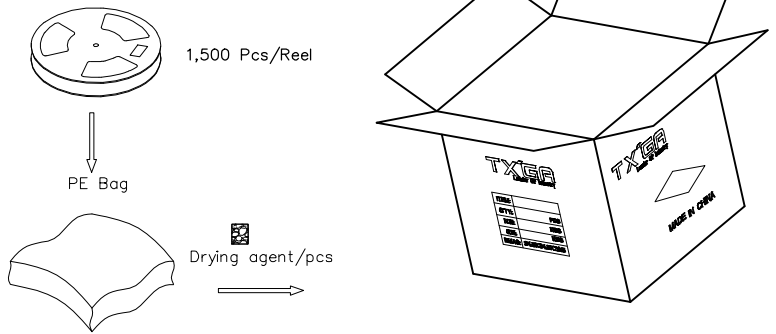
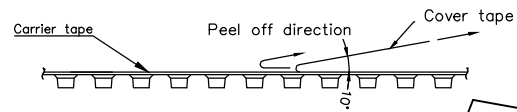
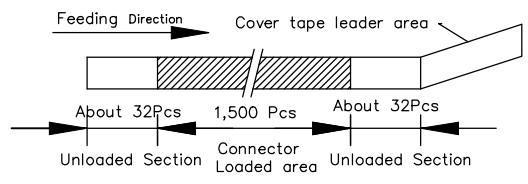
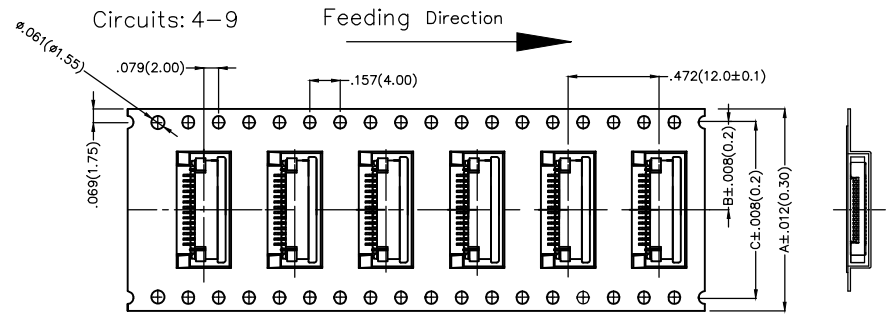
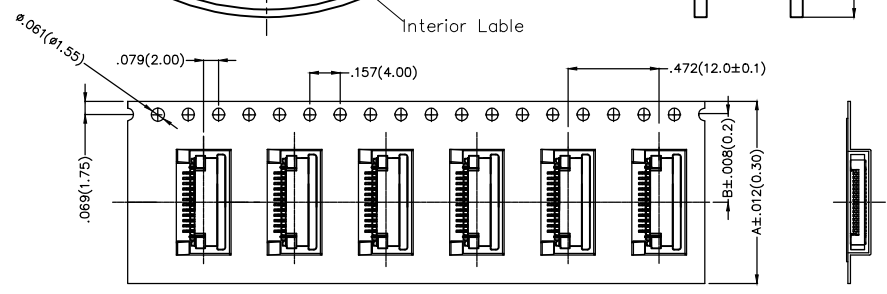
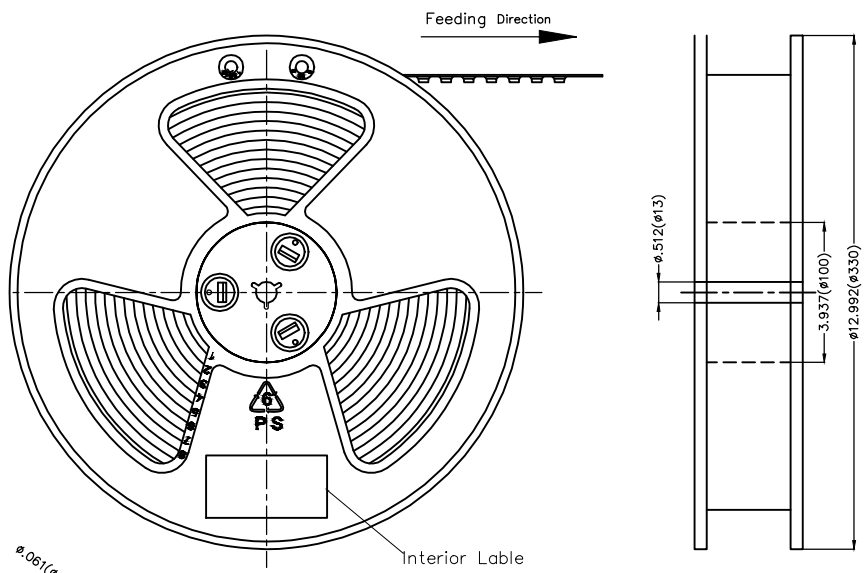
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10001-XXSBB124W5M	ITEM NO. FFC10001	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FFC/FFC Connector 1.00mm Bottom Contact SMT			REV 0
	DESIGN UNITS Inch (metric)	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 ± 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		