

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

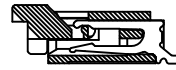
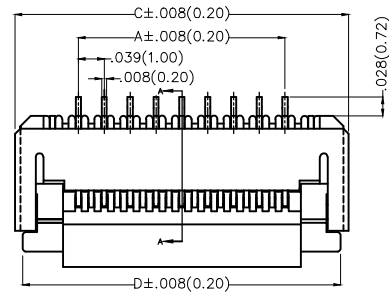
**SPECIFICATIONS**

**Electrical**

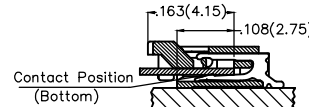
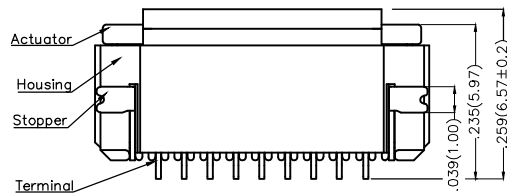
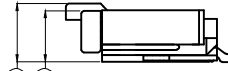
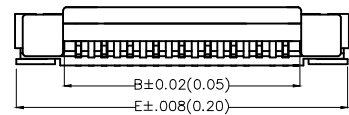
Current Rating: 0.5A AC(rms)/DC  
Voltage Rating: 50V AC(rms)/DC  
Contact Resistance: 20 mΩ Max  
Insulation Resistance: 500 MΩ MIN  
Withstanding Voltage: 200V AC r.m.s  
Temperature Range-Operating: -25°C ~+85°C

**Material and Plating**

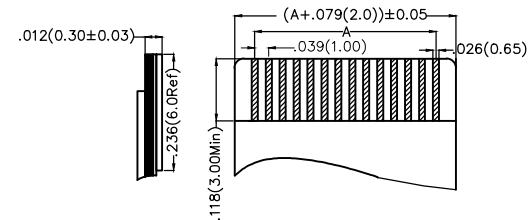
Housing: Heat Resistant Polymer UL 94V-0  
Actuator: Heat Resistant Polymer UL 94V-0  
Terminal: Phosphor Bronze/Tin-Plated/Gold Flash  
Stopper: Phosphor Bronze/Tin-Plated/Gold Flash



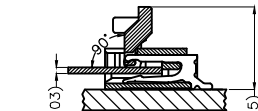
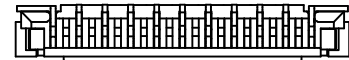
Section A-A



Actuator Close



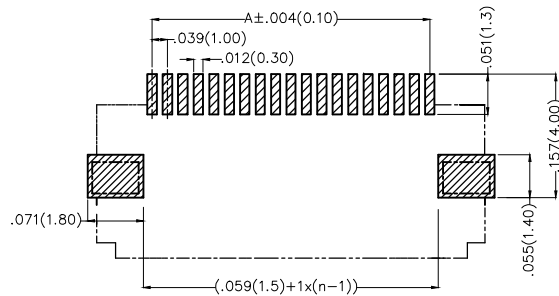
Applicable FFC Recommended Dimension



Actuator Open

**Ordering Information**

FFC 100 03 — XX S B B 1 X 4 W5 M  
1 2 3 4 5 6 7 8 9 10 11 12



Recommended P.C.Board Layout

1 Category FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 03	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 Flash 2-Tin Plated All	10 Material-Resin 4-PA9T	11 Color-Resin W5- Natural,Black	12 Packaging M-Reel

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10003-XXSBB1X4W5M	ITEM NO. FFC10003	<p>Leader Of Industry</p>	
	DESIGN UNITS Inch (metric)	X.X±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Positive Needle DIP		REV 0
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		

1 2 3 4 5 6 7 8



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Note: Contact Tin-Plated

Circuits (n)	Part No.	Dimensions(in/mm)				
		A	B	C	D	E
4	FFC10003-04SBB124W5M	.118(3.00)	.200(5.10)	.350(8.90)	.327(8.30)	.346(8.80)
5	FFC10003-05SBB124W5M	.157(4.00)	.240(6.10)	.390(9.90)	.327(9.30)	.386(9.80)
6	FFC10003-06SBB124W5M	.197(5.00)	.280(7.10)	.492(10.90)	.406(10.30)	.425(10.80)
7	FFC10003-07SBB124W5M	.236(6.00)	.319(8.10)	.469(11.90)	.445(11.30)	.464(11.80)
8	FFC10003-08SBB124W5M	.276(7.00)	.358(9.10)	.508(12.90)	.484(12.30)	.504(12.80)
10	FFC10003-10SBB124W5M	.354(9.00)	.437(11.10)	.587(14.90)	.563(14.30)	.583(14.80)
11	FFC10003-11SBB124W5M	.394(10.00)	.476(12.10)	.626(15.90)	.602(15.30)	.622(15.80)
12	FFC10003-12SBB124W5M	.433(11.00)	.516(13.10)	.665(16.90)	.642(16.30)	.661(16.80)
16	FFC10003-16SBB124W5M	.591(15.00)	.673(17.10)	.823(20.90)	.799(20.30)	.819(20.80)
17	FFC10003-17SBB124W5M	.630(16.00)	.712(18.10)	.862(21.90)	.839(21.30)	.859(21.80)
22	FFC10003-22SBB124W5M	.827(21.00)	.909(23.10)	1.059(26.90)	1.035(26.30)	1.055(26.80)
27	FFC10003-27SBB124W5M	1.024(27.00)	1.146(29.10)	1.295(32.90)	1.272(32.30)	1.291(32.80)

Note: Contact Gold Flash

Circuits (n)	Part No.	Dimensions(in/mm)				
		A	B	C	D	E
4	FFC10003-04SBB114W5M	.118(3.00)	.200(5.10)	.350(8.90)	.327(8.30)	.346(8.80)
5	FFC10003-05SBB114W5M	.157(4.00)	.240(6.10)	.390(9.90)	.327(9.30)	.386(9.80)
6	FFC10003-06SBB114W5M	.197(5.00)	.280(7.10)	.492(10.90)	.406(10.30)	.425(10.80)
7	FFC10003-07SBB114W5M	.236(6.00)	.319(8.10)	.469(11.90)	.445(11.30)	.464(11.80)
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 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10003-XXSBB1X4W5M	ITEM NO. FFC10003	 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 Positive Needle DIP		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(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		

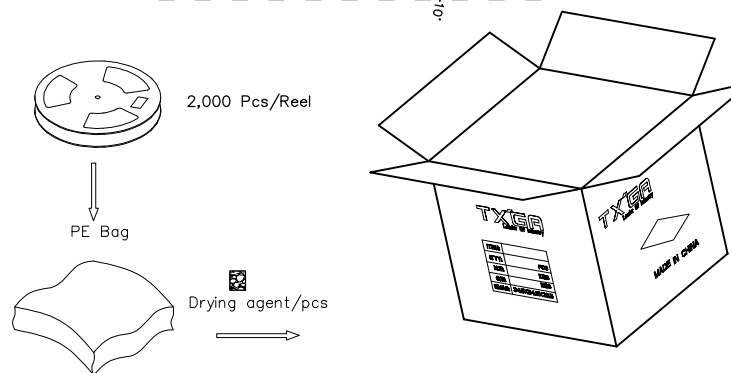
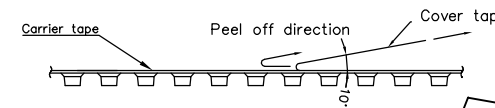
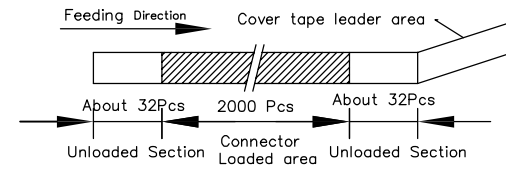
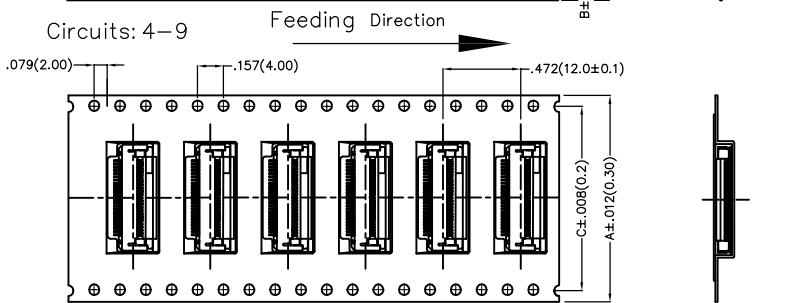
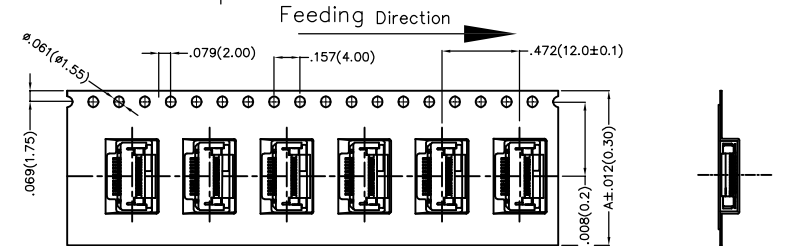
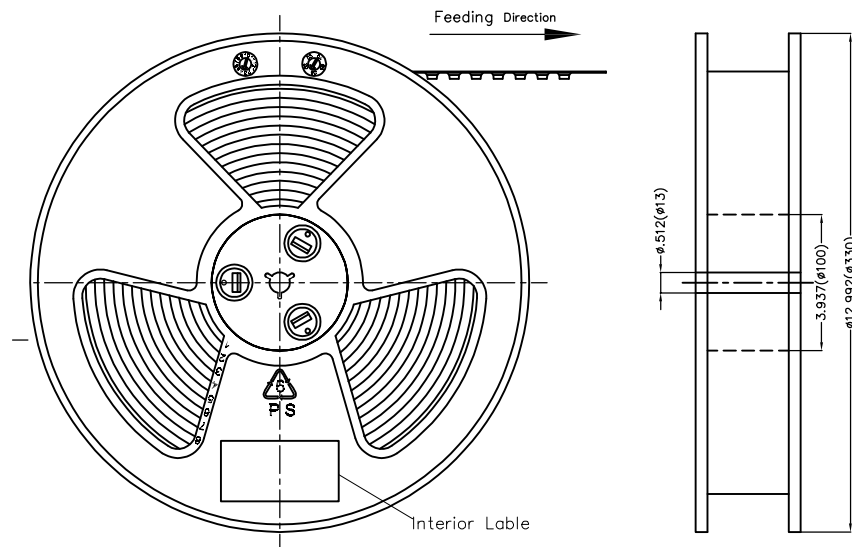
1 2 3 4 5 6 7 8

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Note:

- 10 sprocket hole cumulative tolerance±0.2
- Carrier camber is within 1.0mm in 250mm
- Material: White Conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-3 requirements
- Peel off force of cover tape&carrier tape: 20g~130g(0.2N~1.3N)
- Component load per 13" reel: 2,000 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)



 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	FFC10003-XXSBB1X4W5M	FFC10003	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		REV 0    SHEET NO. 3/3
SCALE	X.XX±.006(0.15)	.XX'±1'	JACOB	18/JUN/13	FPC .039 (1.00mm) SMT CONTACT POSITION: BOTTOM		
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		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
A4			CHERRY	18/JUN/13			