

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Structural changes	05/MAR/21	KATE	CHERRY

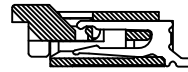
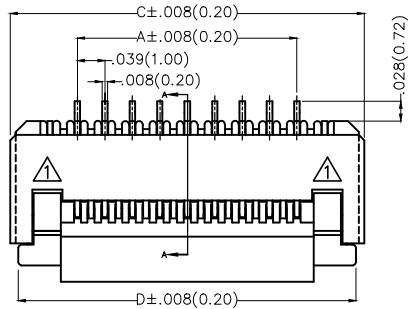
SPECIFICATIONS

Electrical

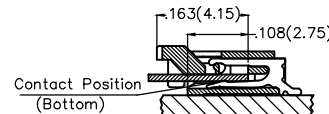
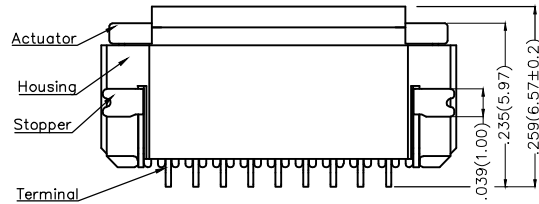
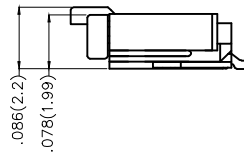
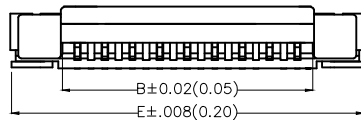
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

Material and Plating

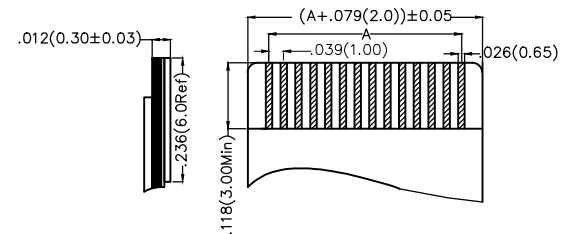
Housing: Heat Resistant Polymer UL 94V-0
Actuator: Heat Resistant Polymer UL 94V-0
Terminal: Phosphor Bronze/Tin-Plated/Gold Flash
Stopper: Phosphor Bronze/Tin-Plated/Gold Flash



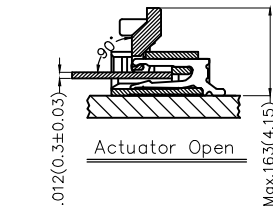
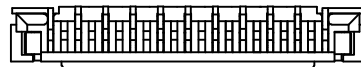
Section A-A



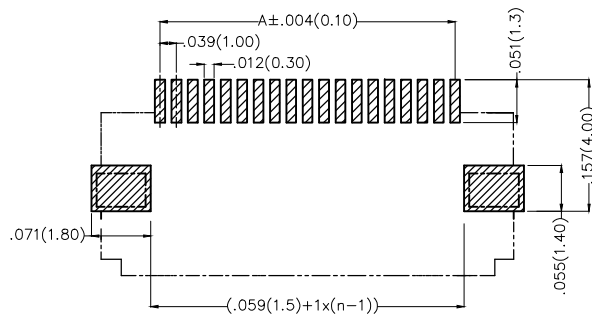
Actuator Close



Applicable FFC Recommended Dimension



Actuator Open



Recommended P.C.Board Layout

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

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 2-Tin Plated All 1-Gold Flash	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. 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 Bottom 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	
		X.XXX±.004(0.10)	.XXX±0.5'			REV 1	SHEET NO. 1/3



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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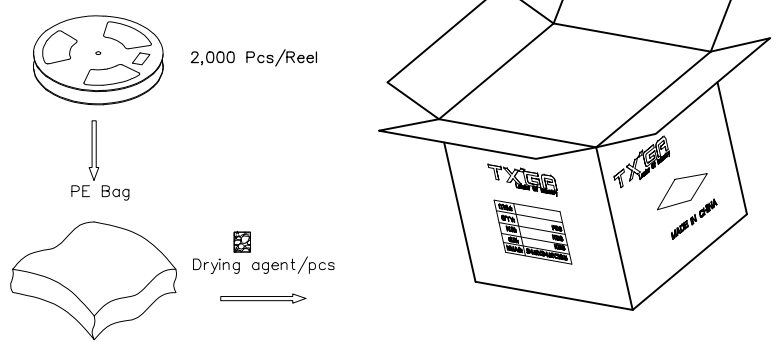
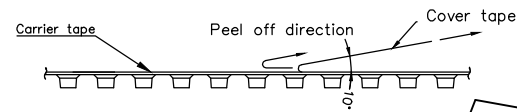
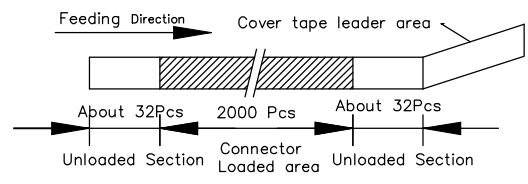
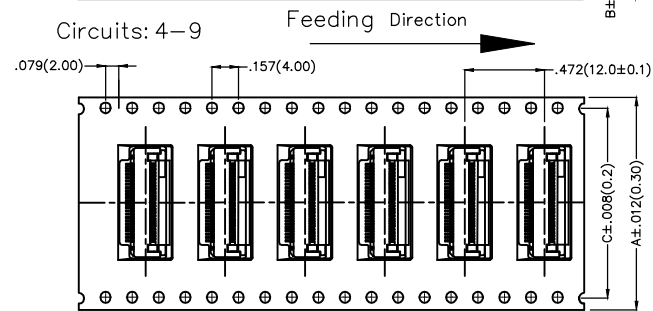
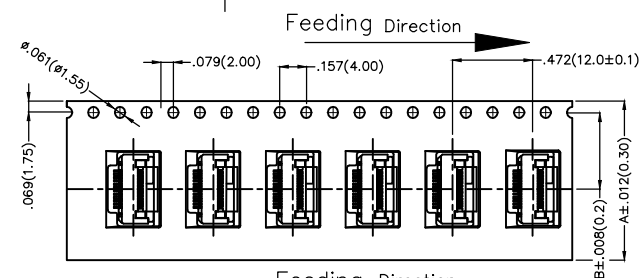
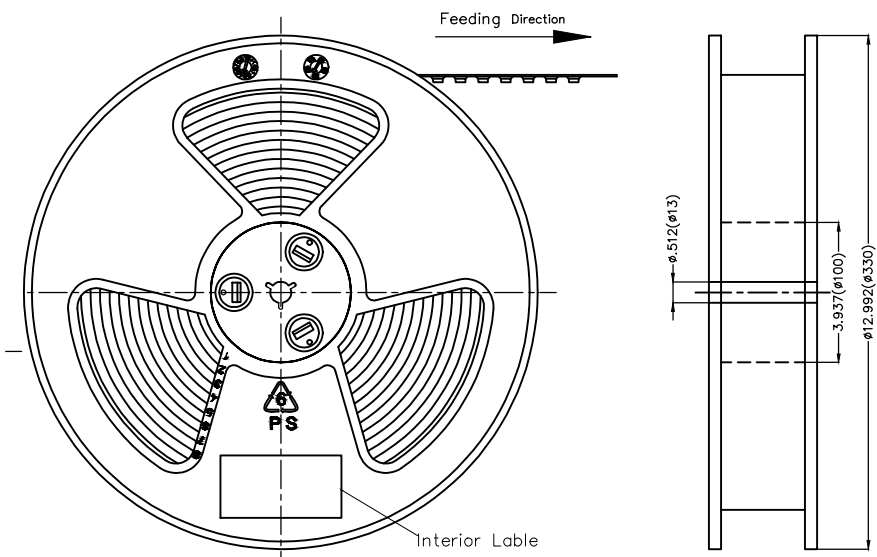
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10003-XXSBB1X4W5M	ITEM NO. FFC10003	 Leader Of Industry	
	X.±.012(0.30)	X.'±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm Bottom Contact SMT	REV 1		SHEET NO. 2/3
	DESIGN UNITS 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: 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
DESIGN UNITS Inch (metric)	SCALE 5:1	SIZE A4	X. ± .012(0.30)	X. * ± 5'	FRANK	18/JUN/13	FFC10003-XXSBB1X4W5M	
			X.X ± .008(0.20)	.X * ± 2'	JACOB	18/JUN/13	TITLE FPC/FFC Connector 1.00mm Bottom Contact SMT	
			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	
			X.XXX ± .004(0.10)	.XXX * ± 0.5'	CHERRY	18/JUN/13	REV 1	SHEET NO. 3/3