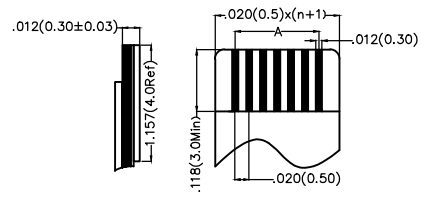
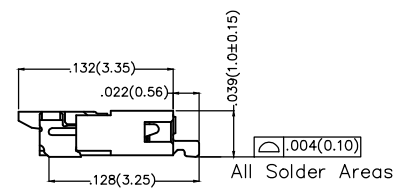
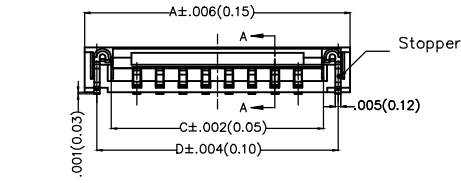
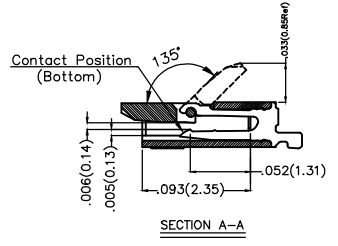
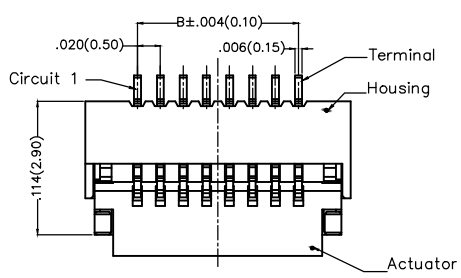


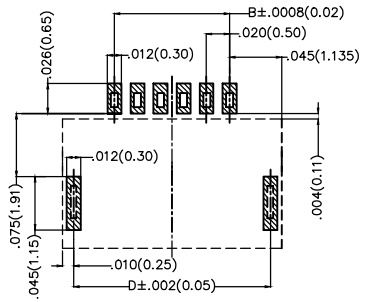
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

Electrical  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 20 mΩ Max  
 Withstanding Voltage: 200V AC/Minute  
 Temperature Range-Operating: -25°C~+85°C  
 Material and Plating  
 Housing: Heat Resistant Polymer UL 94V-0  
 Actuator: Heat Resistant Polymer UL 94V-0  
 Contact: Phosphor Bronze/ Gold or Tin Plated  
 Stopper: Phosphor Bronze/ Tin Plated



Applicable FFC  
 Recommended Dimension



Recommended P.C.Board Layout

Ordering Information

FFC 050 13 — 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 050-Pitch0.50mm	3 Distinction No. 13	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-LCP	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel

 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED) X.±.012(0.30) X'±5' X.XX±.008(0.20) .X'±2' X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'		APPROVE BY FRANK CHECKED BY JACOB DRAWN BY CHERRY	DATE 18/JUN/13 DATE 18/JUN/13 DATE 18/JUN/13	PART NO. FFC05013-XXSBB1X4W5M TITLE FPC/FFC connector 0.5mm Bottom contact SMT	ITEM NO. FFC05013 REV 0	 Leader Of Industry SHEET NO. 1/3
	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 Gold Plated

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D
4	FFC05013-04SBB114W5M	.148(3.77)	.059(1.50)	.102(2.60)	.128(3.27)
5	FFC05013-05SBB114W5M	.168(4.27)	.079(2.00)	.122(3.10)	.148(3.77)
6	FFC05013-06SBB114W5M	.188(4.77)	.098(2.50)	.142(3.60)	.168(4.27)
8	FFC05013-08SBB114W5M	.227(5.77)	.138(3.50)	.181(4.60)	.207(5.27)
9	FFC05013-09SBB114W5M	.247(6.27)	.157(4.00)	.200(5.10)	.227(5.77)
10	FFC05013-10SBB114W5M	.267(6.77)	.177(4.50)	.220(5.60)	.247(6.27)
12	FFC05013-12SBB114W5M	.306(7.77)	.217(5.50)	.260(6.60)	.286(7.27)
14	FFC05013-14SBB114W5M	.345(8.77)	.256(6.50)	.299(7.60)	.326(8.27)
16	FFC05013-16SBB114W5M	.385(9.77)	.295(7.50)	.339(8.60)	.748(9.27)
18	FFC05013-18SBB114W5M	.424(10.77)	.335(8.50)	.378(9.60)	.404(10.27)
20	FFC05013-20SBB114W5M	.463(11.77)	.374(9.50)	.417(10.60)	.444(11.27)
24	FFC05013-24SBB114W5M	.542(13.77)	.453(11.50)	.496(12.60)	.522(13.27)
30	FFC05013-30SBB114W5M	.660(16.77)	.571(14.50)	.614(15.60)	.641(16.27)
40	FFC05013-40SBB114W5M	.857(21.77)	.768(19.50)	.811(20.60)	.837(21.27)

Note: Contact Tin Plated

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D
4	FFC05013-04SBB124W5M	.148(3.77)	.059(1.50)	.102(2.60)	.128(3.27)
5	FFC05013-05SBB124W5M	.168(4.27)	.079(2.00)	.122(3.10)	.148(3.77)
6	FFC05013-06SBB124W5M	.188(4.77)	.098(2.50)	.142(3.60)	.168(4.27)
8	FFC05013-08SBB124W5M	.227(5.77)	.138(3.50)	.181(4.60)	.207(5.27)
9	FFC05013-09SBB124W5M	.247(6.27)	.157(4.00)	.200(5.10)	.227(5.77)
10	FFC05013-10SBB124W5M	.267(6.77)	.177(4.50)	.220(5.60)	.247(6.27)
12	FFC05013-12SBB124W5M	.306(7.77)	.217(5.50)	.260(6.60)	.286(7.27)
14	FFC05013-14SBB124W5M	.345(8.77)	.256(6.50)	.299(7.60)	.326(8.27)
16	FFC05013-16SBB124W5M	.385(9.77)	.295(7.50)	.339(8.60)	.748(9.27)
18	FFC05013-18SBB124W5M	.424(10.77)	.335(8.50)	.378(9.60)	.404(10.27)
20	FFC05013-20SBB124W5M	.463(11.77)	.374(9.50)	.417(10.60)	.444(11.27)
24	FFC05013-24SBB124W5M	.542(13.77)	.453(11.50)	.496(12.60)	.522(13.27)
30	FFC05013-30SBB124W5M	.660(16.77)	.571(14.50)	.614(15.60)	.641(16.27)
40	FFC05013-40SBB124W5M	.857(21.77)	.768(19.50)	.811(20.60)	.837(21.27)

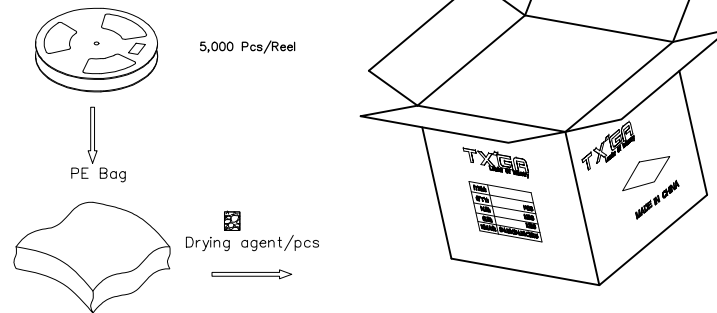
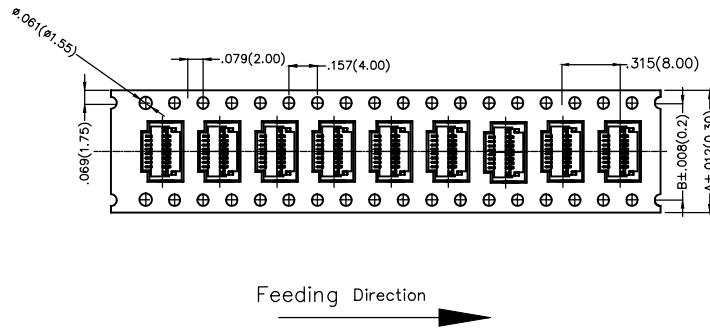
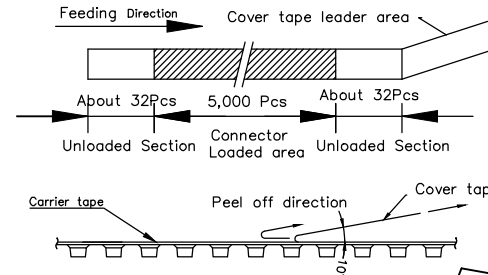
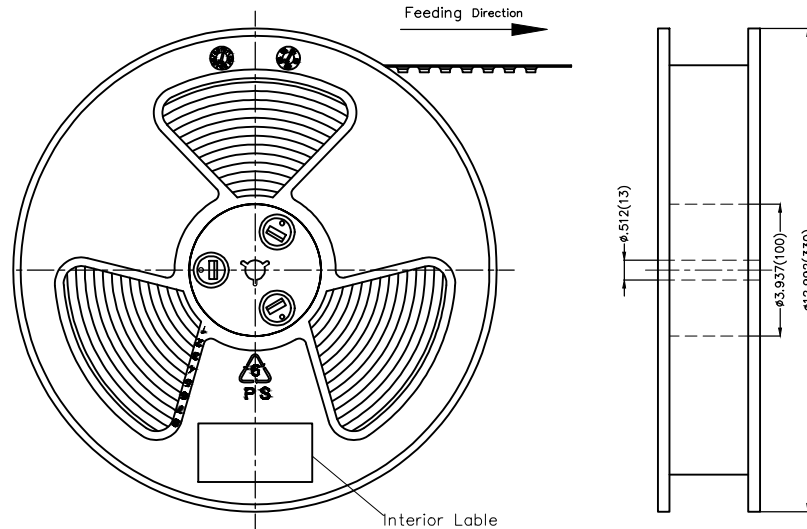
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05013-XXSBB1X4W5M	ITEM NO. FFC05013	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.X±.012(0.30)	X.±5°	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FFC/FFC connector 0.5mm Bottom contact SMT		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.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)	X.XX±0.5°					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Note:

- 10 sprocket hole cumulative tolerance  $\pm 0.2$
- 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: 5,000 pcs

Circuits (n)	Dimensions (in/mm)	
	A	B
4~22	.630(16.0)	.295(7.5)
24~30	.945(24.0)	.453(11.5)
40	1.260(32.0)	.561(14.25)



 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	FFC05013-XXSBB1X4W5M	FFC05013	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		REV 0
SCALE	X.XX±.006(0.15)	.XX'±1'	JACOB	18/JUN/13	FFC/FFC connector 0.5mm Bottom contact SMT		
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			

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