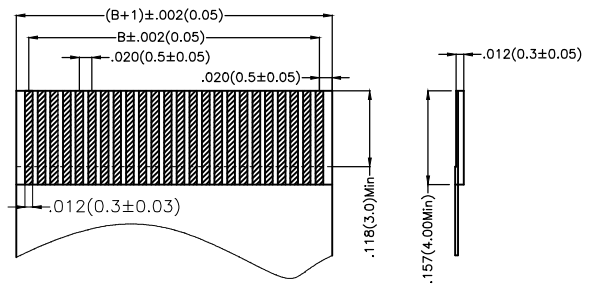
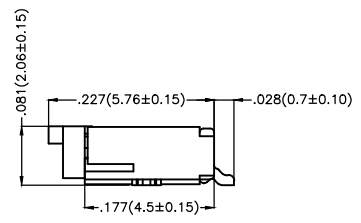
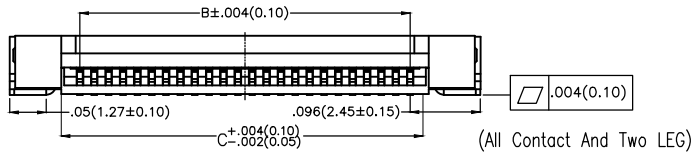
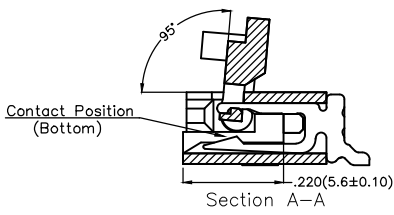
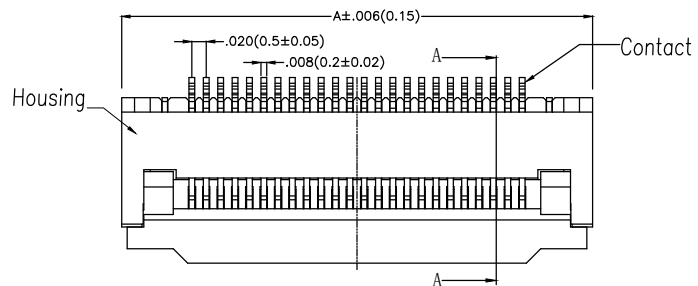


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

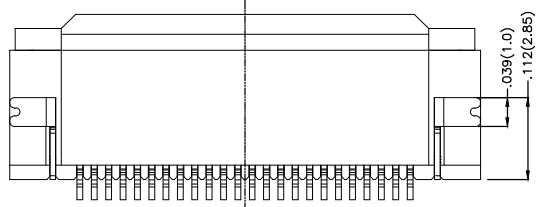
SPECIFICATIONS

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: LCP UL 94V-0
 Actuator: LCP UL 94V-0
 Contact: Phosphor Bronze/ Tin Plated
 Stopper: Phosphor Bronze/ Tin Plated



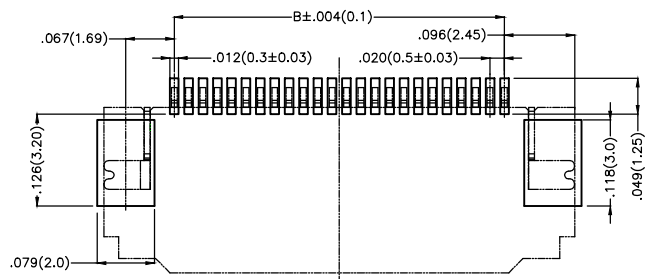
Applicable FFC
 Recommended Dimension




Ordering Information

FFC 050 21 — XX S B B 1 2 3 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. 21	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 3-LCP	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05021-XXSBB123W5M	ITEM NO. FFC05021	 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 0.5mm 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 0	SHEET NO. 1/3	

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

C

C

D

D



E

E

F

F

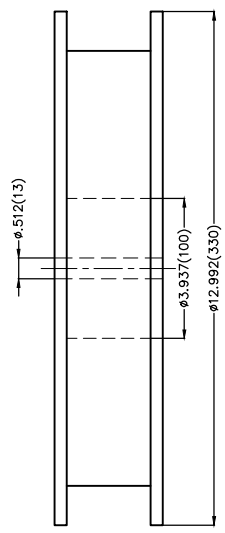
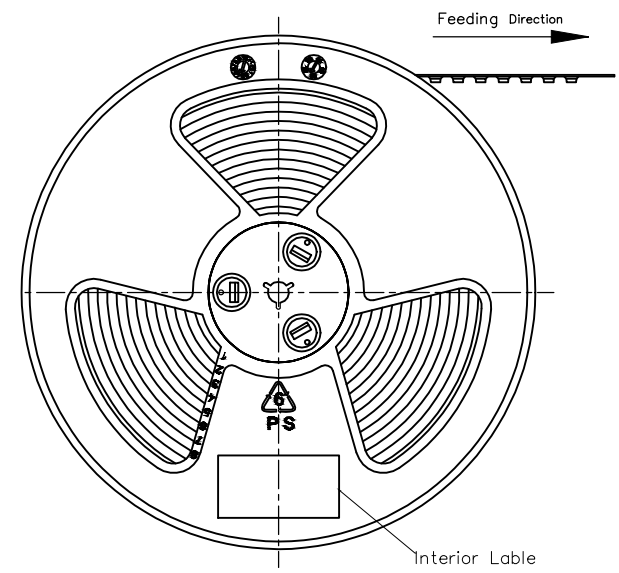
Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC05021-04SBB123W5M	.256(6.50)	.059(1.50)	.101(2.57)	21	FFC05021-21SBB123W5M	.591(15.00)	.394(10.00)	.436(11.07)
6	FFC05021-06SBB123W5M	.295(7.50)	.098(2.50)	.141(3.57)	22	FFC05021-22SBB123W5M	.610(15.50)	.413(10.50)	.456(11.57)
7	FFC05021-07SBB123W5M	.315(8.00)	.118(3.00)	.160(4.07)	23	FFC05021-23SBB123W5M	.630(16.00)	.433(11.00)	.475(12.07)
8	FFC05021-08SBB123W5M	.335(8.50)	.138(3.50)	.180(4.57)	24	FFC05021-24SBB123W5M	.650(16.50)	.453(11.50)	.495(12.57)
9	FFC05021-09SBB123W5M	.354(9.00)	.157(4.00)	.200(5.07)	25	FFC05021-25SBB123W5M	.669(17.00)	.472(12.00)	.515(13.07)
10	FFC05021-10SBB123W5M	.374(9.50)	.177(4.50)	.219(5.57)	26	FFC05021-26SBB123W5M	.689(17.50)	.492(12.50)	.534(13.57)
11	FFC05021-11SBB123W5M	.394(10.00)	.197(5.00)	.239(6.07)	27	FFC05021-27SBB123W5M	.709(18.00)	.512(13.00)	.554(14.07)
12	FFC05021-12SBB123W5M	.413(10.50)	.217(5.50)	.260(6.57)	28	FFC05021-28SBB123W5M	.728(18.50)	.531(13.50)	.574(14.57)
13	FFC05021-13SBB123W5M	.433(11.00)	.236(6.00)	.278(7.07)	30	FFC05021-30SBB123W5M	.768(19.50)	.571(14.50)	.613(15.57)
14	FFC05021-14SBB123W5M	.453(11.50)	.256(6.50)	.298(7.57)	32	FFC05021-32SBB123W5M	.807(20.50)	.610(15.50)	.652(16.57)
15	FFC05021-15SBB123W5M	.472(12.00)	.276(7.00)	.318(8.07)	33	FFC05021-33SBB123W5M	.828(21.00)	.630(16.00)	.672(17.07)
16	FFC05021-16SBB123W5M	.492(12.50)	.295(7.50)	.337(8.57)	34	FFC05021-34SBB123W5M	.846(21.50)	.650(16.50)	.692(17.57)
17	FFC05021-17SBB123W5M	.512(13.00)	.315(8.00)	.357(9.07)	35	FFC05021-35SBB123W5M	.866(22.00)	.669(17.00)	.711(18.07)
18	FFC05021-18SBB123W5M	.531(13.50)	.335(8.50)	.377(9.57)	36	FFC05021-36SBB123W5M	.886(22.50)	.689(17.50)	.731(18.57)
19	FFC05021-19SBB123W5M	.551(14.00)	.354(9.00)	.396(10.07)	40	FFC05021-40SBB123W5M	.965(24.50)	.768(19.50)	.810(20.57)
20	FFC05021-20SBB123W5M	.571(14.50)	.374(9.50)	.416(10.57)					

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05021-XXSBD223W5M	ITEM NO. FFC05021	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.±5'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Bottom contact SMT			REV 0 SHEET NO. 2/3
	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

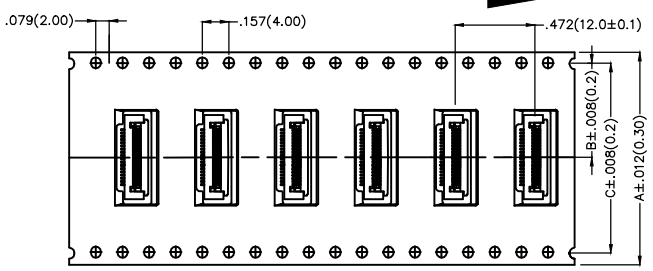
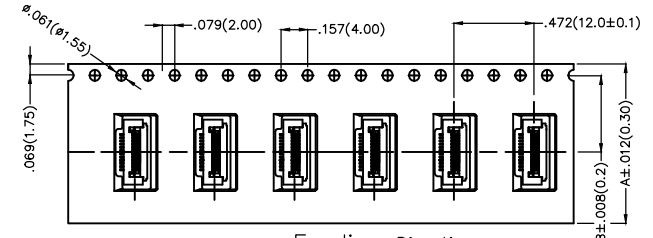
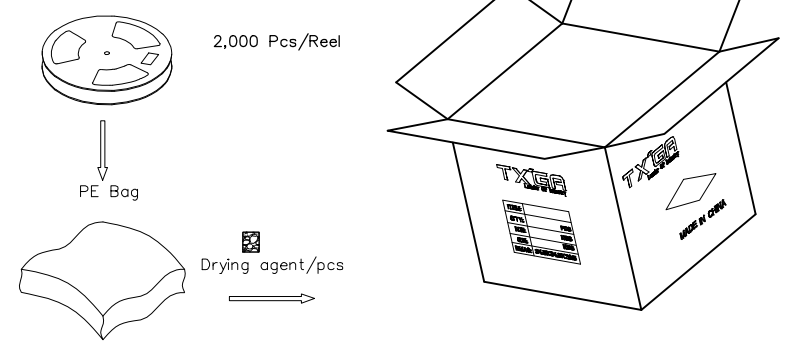
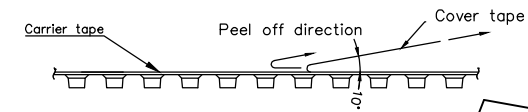
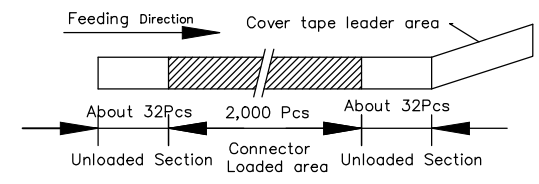
A
B
C
D
E
F



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
4~11	.630(16.0)	.295(7.50)	---
12~25	.945(24.0)	.453(11.50)	---
26~36	1.260(32.0)	.561(14.25)	1.122(28.50)
40	1.732(44.0)	.797(20.25)	1.594(40.50)



 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED) X. \pm .012(0.30) X. \pm 5' X.X \pm .008(0.20) .X \pm 2' X.XX \pm .006(0.15) .XX \pm 1' X.XXX \pm .004(0.10) .XXX \pm 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. FFC05021-XXSBD223W5M TITLE FPC/FFC connector 0.5mm Bottom contact SMT	ITEM NO. FFC05021	 Leader Of Industry
						REV 0 SHEET NO. 3/3	
	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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