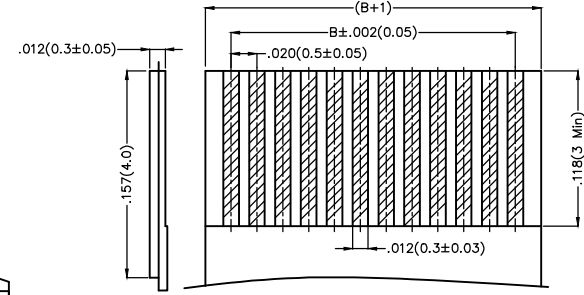
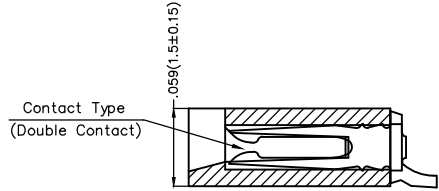
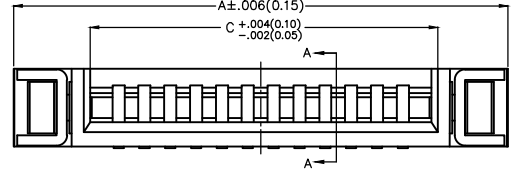
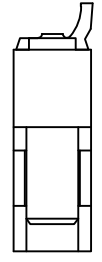
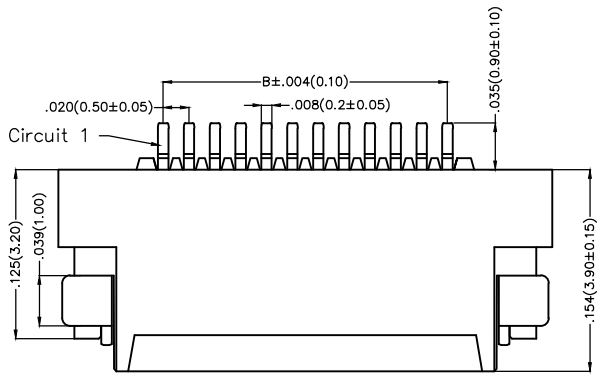


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Version change	16/Step/25	NICK	LEO

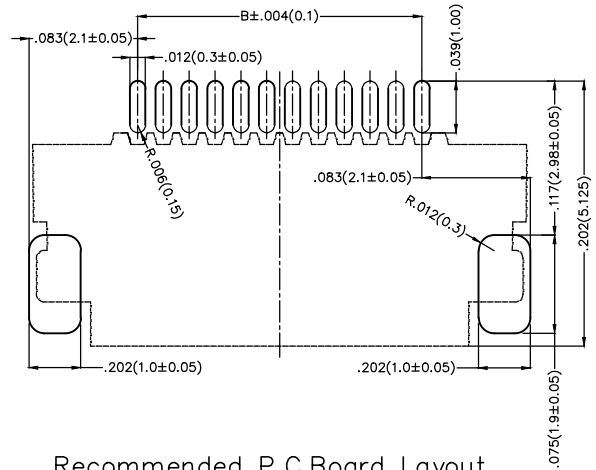
**SPECIFICATIONS**

**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  
 Contact: Brass/ Tin Plated  
 Stopper: Brass/ Tin Plated



Applicable FFC Recommended Dimension




Recommended P.C.Board Layout

**Ordering Information**

FFC 050 19 — XX S B D 2 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. 19	4   Circuits XX	5   Assemble Layout S-SMT	6   Entry Angle B- 90° Angle
7   Contact Type D-Double Contact	8   ZIF 2-NON ZIF	9   Plating 2-Tin Plated	10   Material-Resin 3-LCP	11   Color-Resin W5-Natural	12   Packaging M-Reel

THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
DESIGN UNITS Inch (metric)	X.±.012(0.30)	X'.±5'		FRANK	18/JUN/13	FFC05019-XXSBD223W5M	FFC05019	
	X.X±.008(0.20)	.X'±2'		JACOB	18/JUN/13	TITLE FPC/FFC connector 0.5mm Double contact SMT		REV 1
SCALE 5:1	SIZE A4	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			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

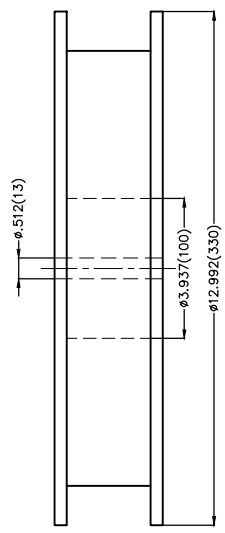
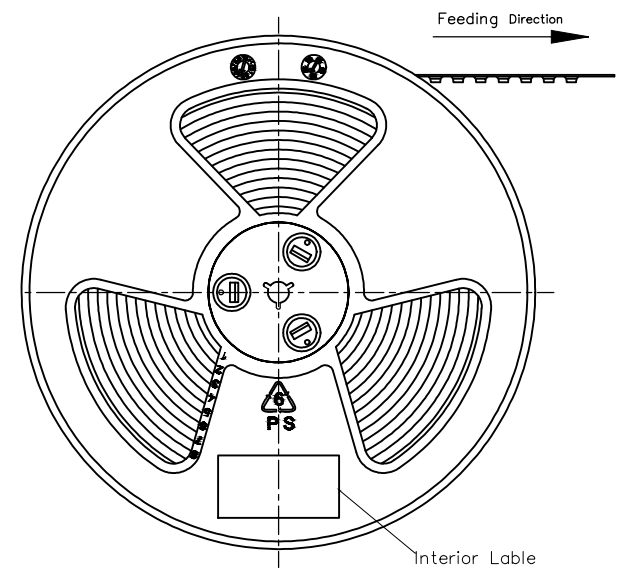
Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C
4	FFC05019-04SBD223W5M	.218(5.53)	.059(1.50)	.101(2.57)
5	FFC05019-05SBD223W5M	.237(6.03)	.079(2.00)	.121(3.07)
6	FFC05019-06SBD223W5M	.257(6.53)	.098(2.50)	.141(3.57)
7	FFC05019-07SBD223W5M	.278(7.03)	.118(3.00)	.160(4.07)
8	FFC05019-08SBD223W5M	.296(7.53)	.138(3.50)	.180(4.57)
9	FFC05019-09SBD223W5M	.316(8.03)	.157(4.00)	.200(5.07)
10	FFC05019-10SBD223W5M	.336(8.53)	.177(4.50)	.219(5.57)
11	FFC05019-11SBD223W5M	.356(9.03)	.197(5.00)	.239(6.07)
12	FFC05019-12SBD223W5M	.375(9.53)	.217(5.50)	.259(6.57)
13	FFC05019-13SBD223W5M	.395(10.03)	.236(6.00)	.278(7.07)
14	FFC05019-14SBD223W5M	.415(10.53)	.256(6.50)	.298(7.57)
15	FFC05019-15SBD223W5M	.434(11.03)	.276(7.00)	.318(8.07)
16	FFC05019-16SBD223W5M	.454(11.53)	.295(7.50)	.337(8.57)
18	FFC05019-18SBD223W5M	.493(12.53)	.335(8.50)	.377(9.57)
20	FFC05019-20SBD223W5M	.533(13.53)	.374(9.50)	.416(10.57)
22	FFC05019-22SBD223W5M	.572(14.53)	.413(10.50)	.456(11.57)
24	FFC05019-24SBD223W5M	.611(15.53)	.452(11.50)	.494(12.57)
26	FFC05019-26SBD223W5M	.650(16.53)	.492(12.50)	.534(13.57)
30	FFC05019-30SBD223W5M	.730(18.53)	.571(14.50)	.613(15.57)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05019-XXSBD223W5M	ITEM NO. FFC05019	 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 Double 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		

1 2 3 4 5 6 7 8

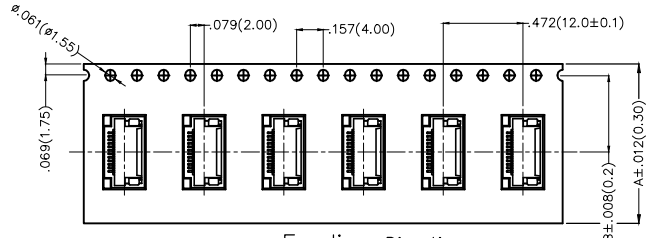
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A  
B  
C  
D  
E  
F

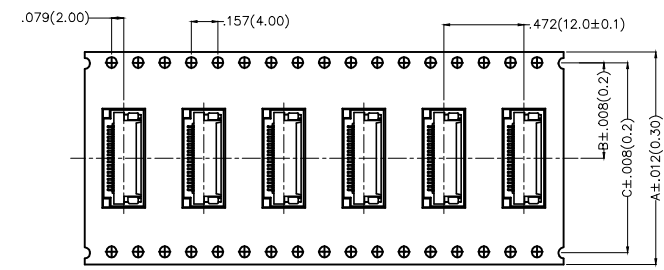


- Note:
1. 10 sprocket hole cumulative tolerance  $\pm 0.2$
  2. Carrier camber is within 1.0mm in 250mm
  3. Material: White Conductive polystyrene Alloy 100% recyclable
  4. All dimensions meet EIA-481-3 requirements
  5. Peel off force of cover tape & carrier tape: 20g~130g(0.2N~1.3N)
  6. Component load per 13" reel: 2,500 pcs

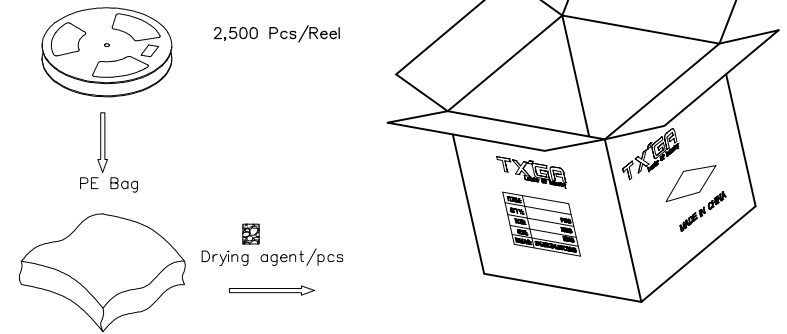
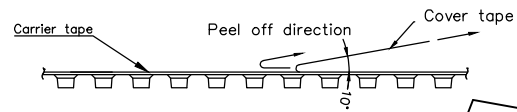
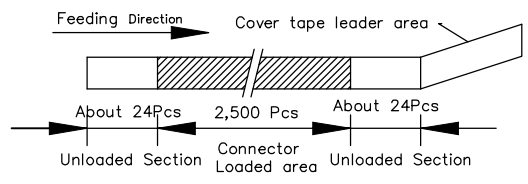
Circuits (n)	Dimensions(in./mm)		
	A	B	C
4~12	.630(16.0)	.295(7.50)	—
13~24	.945(24.0)	.453(11.50)	—
25~36	1.260(32.0)	.561(14.25)	1.122(28.50)
37~45	1.732(44.0)	.797(20.25)	1.594(40.50)



Circuits: 4-24 Feeding Direction



Circuits: 25-45 Feeding Direction



<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	FFC05019-XXSBD223W5M	FFC05019	
	X.X $\pm$ .008(0.20)	.X $\pm$ 2'	CHECKED BY	DATE	TITLE		REV 1
	X.XX $\pm$ .006(0.15)	.XX $\pm$ 1'	JACOB	18/JUN/13	FPC/FFC connector 0.5mm Double contact SMT		SHEET NO. 3/3
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		