

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		1. Change the material and color of the Resin 2. Size change	21/JUN/19	KATE	CHERRY
2		Change the "C" value of 50P	23/MAY/23	MATT	LEO

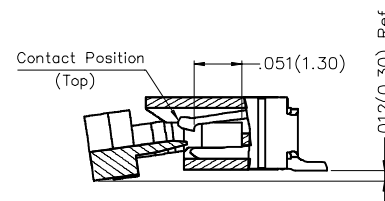
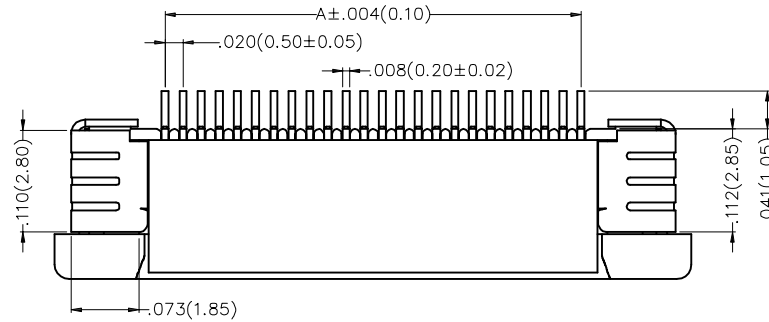
SPECIFICATIONS

Electrical

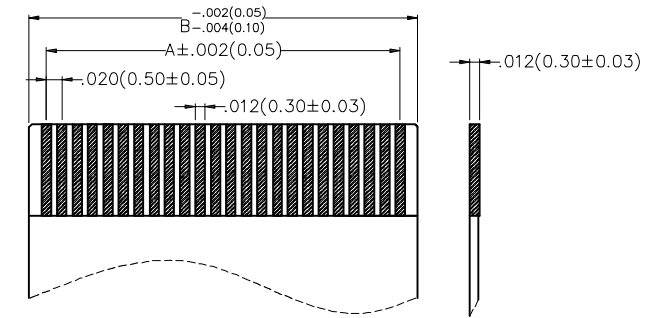
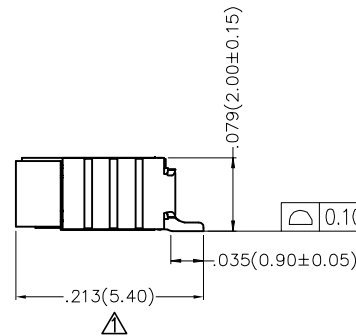
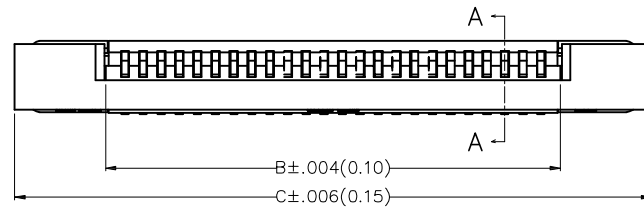
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -40°C~+85°C

Material and Plating

Housing: PA6T (UL 94V-0) Natural
Actuator: PPS (UL 94V-0) Brown
Contact: Phosphor Bronze/ Tin Plated 80U" MIN.
Stopper: Brass/ Tin Plated 80U" MIN.



SECTION A-A

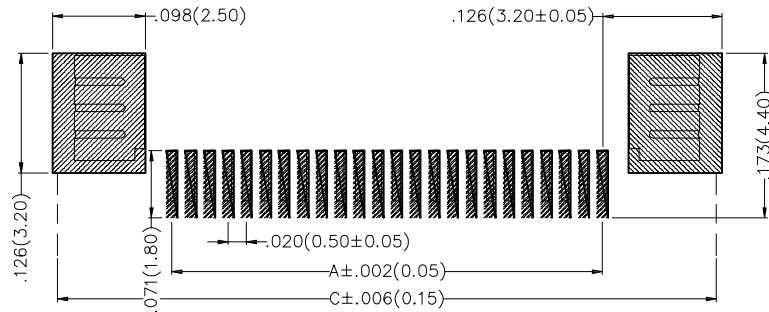


Applicable FFC
Recommended Dimension

Ordering Information

FFC	050	01	—	XX	S	B	A	1	2	3	W5	M	—	A
1	2	3	4	5	6	7	8	9	10	11	12	13		

1	Category	2	Series Number	3	Distinction No.	4	Circuits	5	Assemble Layout	6	Entry Angle		
	FFC-FPC		050-Pitch0.50mm		01		XX		S-SMT		B- 90° Angle		
7	Contact Position	8	ZIF	9	Plating	10	Material-Resin	11	Color-Resin	12	Packaging	13	Type
	A-Top		1-ZIF		2-Tin Plated		3-PA6T 		W5-Housing: Natural, Actuator: Brown 		M-Reel		A-Type A



Recommended P.C.Board Layout

General tolerances: ±0.05mm

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/MAY/17	PART NO. FFC05001-XXSBA123W5M-A	ITEM NO. FFC05001	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		XX±.008(0.20)	.X°±2°	CHERRY	28/MAY/17	FPC/FFC connector 0.5mm Top contact SMT		REV 2	SHEET NO. 1/5
		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			
SCALE 5:1	SIZE A4	XXX±.004(0.10)	.XXX°±0.5°	KATE	28/MAY/17				

A

B

C

D

E

F

A

B

C

D

E

F

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
2		Change the "C "value of 50P	23/MAY/23	MATT	LEO

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC05001-04SBA123W5M-A	.059(1.50)	.101(2.56)	.299(7.60)	34	FFC05001-34SBA123W5M-A	.650(16.50)	.691(17.56)	.890(22.60)
6	FFC05001-06SBA123W5M-A	.098(2.50)	.140(3.56)	.339(8.60)	36	FFC05001-36SBA123W5M-A	.689(17.50)	.731(18.56)	.929(23.60)
8	FFC05001-08SBA123W5M-A	.138(3.50)	.180(4.56)	.378(9.60)	38	FFC05001-38SBA123W5M-A	.728(18.50)	.770(19.56)	.969(24.60)
10	FFC05001-10SBA123W5M-A	.177(4.50)	.219(5.56)	.417(10.60)	40	FFC05001-40SBA123W5M-A	.768(19.50)	.809(20.56)	1.008(25.60)
12	FFC05001-12SBA123W5M-A	.217(5.50)	.258(6.56)	.457(11.60)	42	FFC05001-42SBA123W5M-A	.807(20.50)	.849(21.56)	1.047(26.60)
14	FFC05001-14SBA123W5M-A	.256(6.50)	.298(7.56)	.496(12.60)	44	FFC05001-44SBA123W5M-A	.846(21.50)	.888(22.56)	1.087(27.60)
16	FFC05001-16SBA123W5M-A	.295(7.50)	.337(8.56)	.535(13.60)	46	FFC05001-46SBA123W5M-A	.886(22.50)	.928(23.56)	1.126(28.60)
18	FFC05001-18SBA123W5M-A	.335(8.50)	.376(9.56)	.575(14.60)	48	FFC05001-48SBA123W5M-A	.925(23.50)	.967(24.56)	1.165(29.60)
20	FFC05001-20SBA123W5M-A	.374(9.50)	.416(10.56)	.614(15.60)	50	FFC05001-50SBA123W5M-A	.965(24.50)	1.006(25.56)	1.228(31.20)
22	FFC05001-22SBA123W5M-A	.413(10.50)	.455(11.56)	.654(16.60)	52	FFC05001-52SBA123W5M-A	1.004(25.50)	1.046(26.56)	1.244(31.60)
24	FFC05001-24SBA123W5M-A	.453(11.50)	.494(12.56)	.693(17.60)	54	FFC05001-54SBA123W5M-A	1.043(26.50)	1.085(27.56)	1.283(32.60)
26	FFC05001-26SBA123W5M-A	.492(12.50)	.534(13.56)	.732(18.60)	56	FFC05001-56SBA123W5M-A	1.083(27.50)	1.124(28.56)	1.323(33.60)
28	FFC05001-28SBA123W5M-A	.531(13.50)	.573(14.56)	.772(19.60)	58	FFC05001-58SBA123W5M-A	1.122(28.50)	1.164(29.56)	1.362(34.60)
30	FFC05001-30SBA123W5M-A	.571(14.50)	.613(15.56)	.811(20.60)	60	FFC05001-60SBA123W5M-A	1.161(29.50)	1.203(30.56)	1.402(35.60)
32	FFC05001-32SBA123W5M-A	.610(15.50)	.652(16.56)	.850(21.60)					



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/MAY/17	PART NO. FFC05001-XXSBA123W5M-A	ITEM NO. FFC05001	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 28/MAY/17	TITLE FPC/FFC connector 0.5mm Top contact SMT			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	DRAWN BY KATE	DATE 28/MAY/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 2	SHEET NO. 2/5
		X.XX±.006(0.15)	.XX'±1"						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°						

A

B

C

D

E

F

A

B

C

D

E

F

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		1. Change the material and color of the Resin 2. Size change	21/JUN/19	KATE	CHERRY
2		Change the "C" value of 50P	23/MAY/23	MATT	LEO

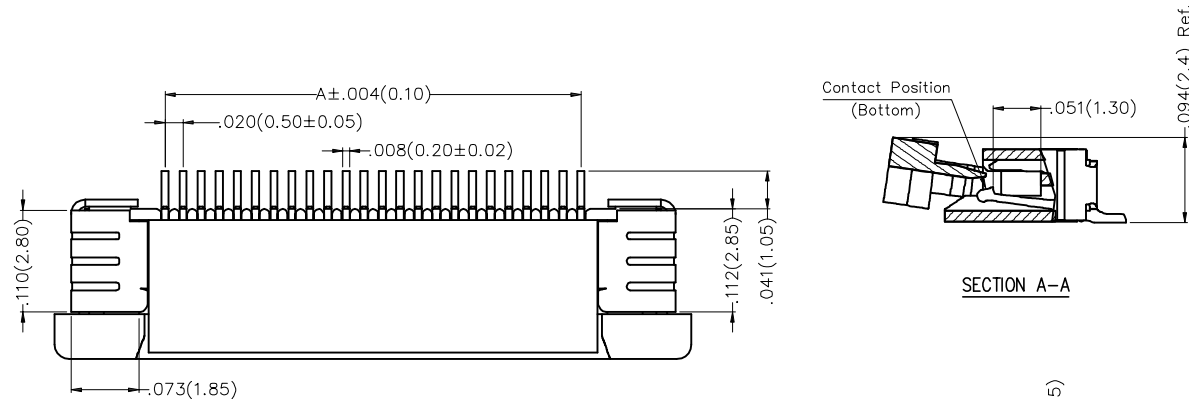
SPECIFICATIONS

Electrical

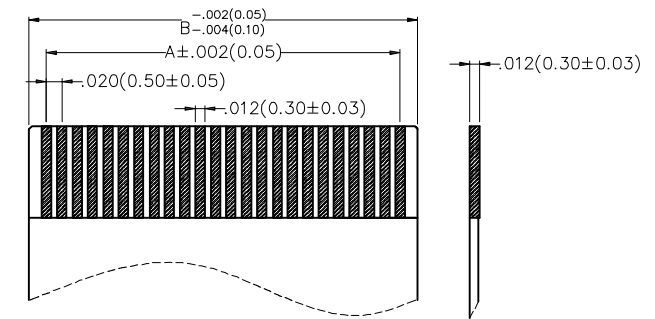
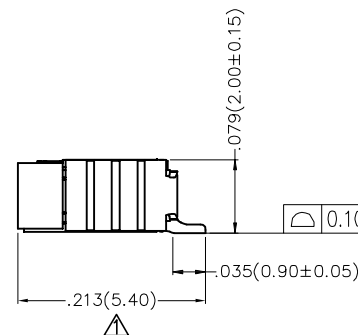
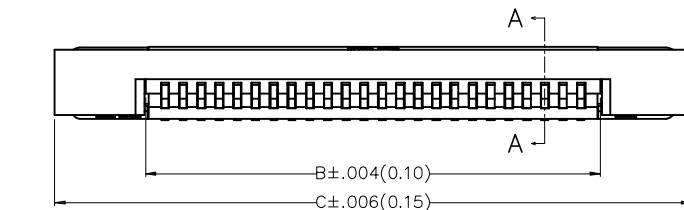
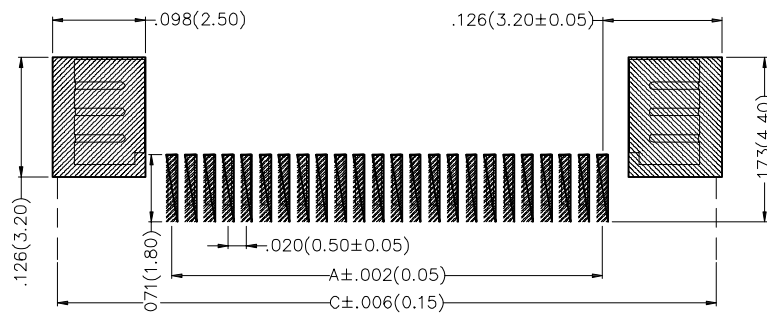
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range-Operating: -40°C~+85°C

Material and Plating

Housing: PA6T (UL 94V-0) Natural
 Actuator: PPS (UL 94V-0) Brown
Contact: Phosphor Bronze/ Tin Plated 80U" MIN.
Stopper: Brass/ Tin Plated 80U" MIN.



SECTION A-A

Applicable FFC
Recommended Dimension

Recommended P.C.Board Layout

General tolerances: ±0.05mm

Ordering Information

FFC	050	01	—	XX	S	B	B	1	2	3	W5	M	—	A
1	2	3	4	5	6	7	8	9	10	11	12	13		

1	Category	2	Series Number	3	Distinction No.	4	Circuits	5	Assemble Layout	6	Entry Angle		
	FFC-FPC		050-Pitch0.50mm		01		XX		S-SMT		B- 90° Angle		
7	Contact Position	8	ZIF	9	Plating	10	Material-Resin	11	Color-Resin	12	Packaging	13	Type
	B-Bottom		1-ZIF		2-Tin Plated		3-PA6T 		W5-Housing: Natural, Actuator: Brown 		M-Reel		A-Type A

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/MAY/17	PART NO. FFC05001-XXSBB123W5M-A	ITEM NO. FFC05001	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE FPC/FFC connector 0.5mm Bottom contact SMT			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	CHERRY	28/MAY/17			REV 2	
		X.XX±.006(0.15)	.XX'±1°	DRAWN BY	DATE				
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°	KATE	28/MAY/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

A

B

C

D

E

F

A

B

C

D

E

F

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
2		Change the "C "value of 50P	23/MAY/23	MATT	LEO

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC05001-04SBB123W5M-A	.059(1.50)	.101(2.56)	.299(7.60)	34	FFC05001-34SBB123W5M-A	.650(16.50)	.691(17.56)	.890(22.60)
6	FFC05001-06SBB123W5M-A	.098(2.50)	.140(3.56)	.339(8.60)	36	FFC05001-36SBB123W5M-A	.689(17.50)	.731(18.56)	.929(23.60)
8	FFC05001-08SBB123W5M-A	.138(3.50)	.180(4.56)	.378(9.60)	38	FFC05001-38SBB123W5M-A	.728(18.50)	.770(19.56)	.969(24.60)
10	FFC05001-10SBB123W5M-A	.177(4.50)	.219(5.56)	.417(10.60)	40	FFC05001-40SBB123W5M-A	.768(19.50)	.809(20.56)	1.008(25.60)
12	FFC05001-12SBB123W5M-A	.217(5.50)	.258(6.56)	.457(11.60)	42	FFC05001-42SBB123W5M-A	.807(20.50)	.849(21.56)	1.047(26.60)
14	FFC05001-14SBB123W5M-A	.256(6.50)	.298(7.56)	.496(12.60)	44	FFC05001-44SBB123W5M-A	.846(21.50)	.888(22.56)	1.087(27.60)
16	FFC05001-16SBB123W5M-A	.295(7.50)	.337(8.56)	.535(13.60)	46	FFC05001-46SBB123W5M-A	.886(22.50)	.928(23.56)	1.126(28.60)
18	FFC05001-18SBB123W5M-A	.335(8.50)	.376(9.56)	.575(14.60)	48	FFC05001-48SBB123W5M-A	.925(23.50)	.967(24.56)	1.165(29.60)
20	FFC05001-20SBB123W5M-A	.374(9.50)	.416(10.56)	.614(15.60)	50	FFC05001-50SBB123W5M-A	.965(24.50)	1.006(25.56)	1.228(31.20)
22	FFC05001-22SBB123W5M-A	.413(10.50)	.455(11.56)	.654(16.60)	52	FFC05001-52SBB123W5M-A	1.004(25.50)	1.046(26.56)	1.244(31.60)
24	FFC05001-24SBB123W5M-A	.453(11.50)	.494(12.56)	.693(17.60)	54	FFC05001-54SBB123W5M-A	1.043(26.50)	1.085(27.56)	1.283(32.60)
26	FFC05001-26SBB123W5M-A	.492(12.50)	.534(13.56)	.732(18.60)	56	FFC05001-56SBB123W5M-A	1.083(27.50)	1.124(28.56)	1.323(33.60)
28	FFC05001-28SBB123W5M-A	.531(13.50)	.573(14.56)	.772(19.60)	58	FFC05001-58SBB123W5M-A	1.122(28.50)	1.164(29.56)	1.362(34.60)
30	FFC05001-30SBB123W5M-A	.571(14.50)	.613(15.56)	.811(20.60)	60	FFC05001-60SBB123W5M-A	1.161(29.50)	1.203(30.56)	1.402(35.60)
32	FFC05001-32SBB123W5M-A	.610(15.50)	.652(16.56)	.850(21.60)					

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/MAY/17	PART NO. FFC05001-XXSBB123W5M-A	ITEM NO. FFC05001	 Leader Of Industry	
		X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 28/MAY/17	TITLE FPC/FFC connector 0.5mm Bottom contact SMT			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2"	DRAWN BY KATE	DATE 28/MAY/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 2	SHEET NO. 4/5
		X.XX±.006(0.15)	.XX'±1"						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5'						

A

B

C

D

E

F

A

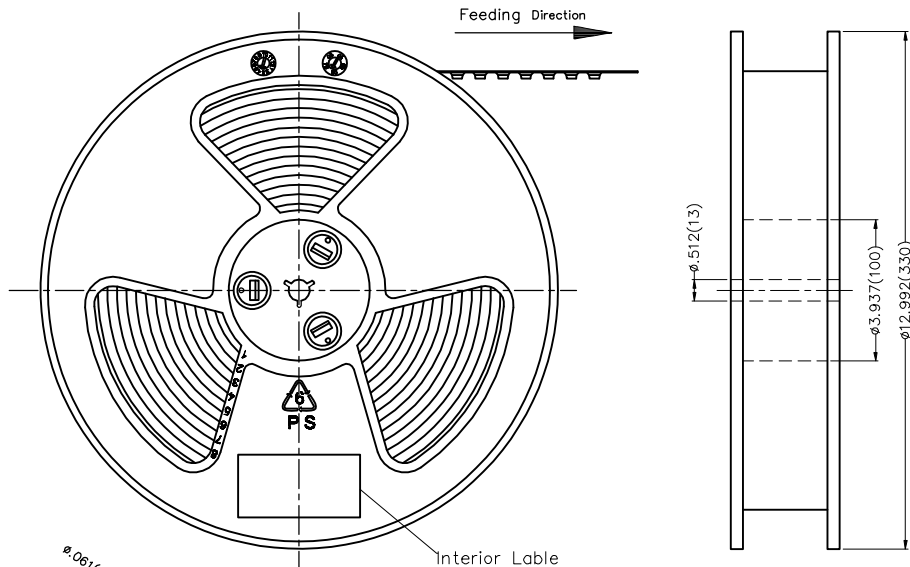
B

C

D

E

F

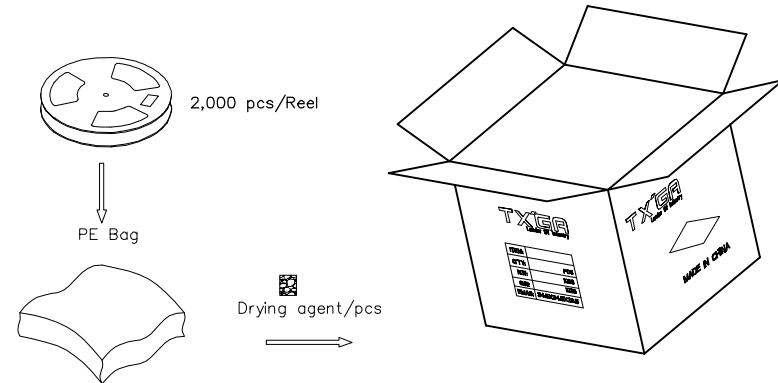
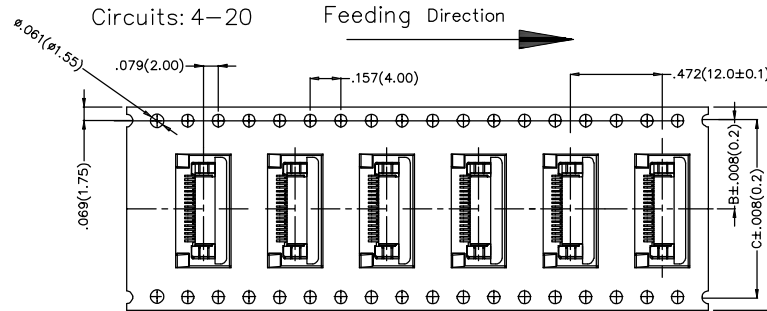
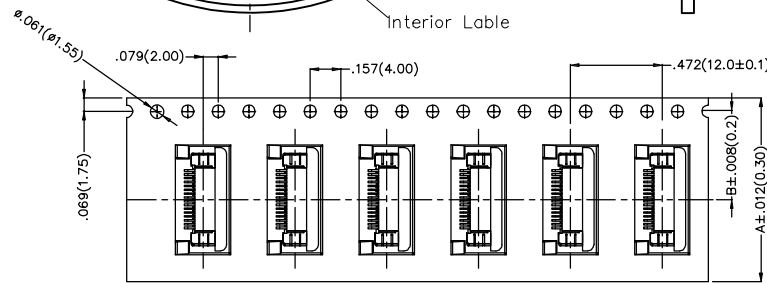
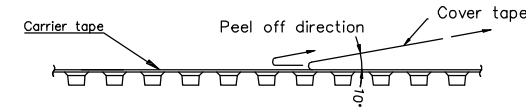
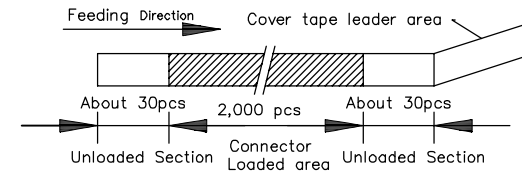


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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	.630(16.00)	.295(7.50)	—
6~20	.945(24.00)	.453(11.50)	—
22~32	1.260(32.00)	.561(14.25)	1.122(28.50)
34~48	1.732(44.00)	.797(20.25)	1.594(40.50)
50~60	2.205(56.00)	1.033(26.25)	2.067(52.50)



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/MAY/17	PART NO. FFC05001-XXSBX123W5M-A	ITEM NO. FFC05001	 Leader Of Industry	
		X.±.012(0.30)	X'.±5'	CHECKED BY	DATE	TITLE FPC/FFC connector 0.5mm SMT			
DESIGN UNITS Inch (metric)		XX±.008(0.20)	X'±2"	CHERRY	28/MAY/17			REV 2	
		XX±.006(0.15)	XX'±1'	DRAWN BY	DATE				
		XX±.004(0.10)	XX'±0.5'	KATE	28/MAY/17	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								