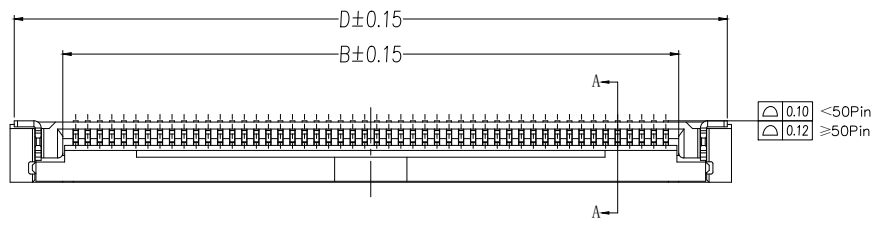


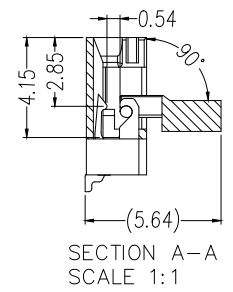
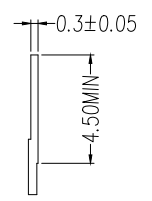
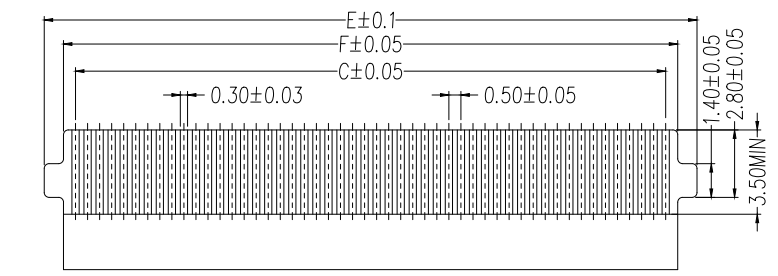
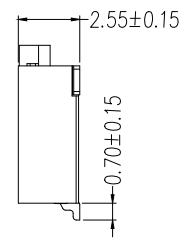
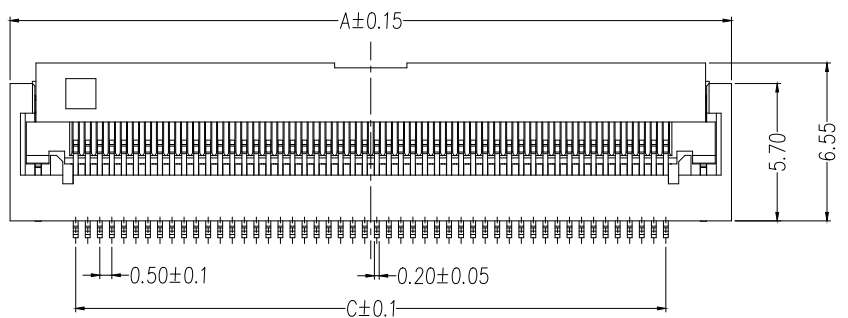
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



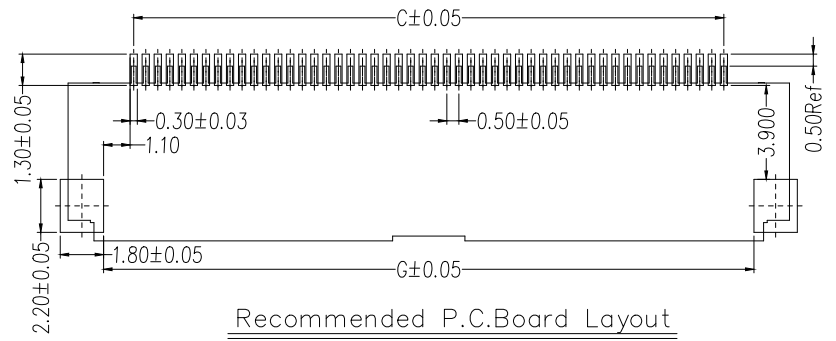
SPECIFICATIONS

Electrical
 Current Rating: 0.5A
 Voltage Rating: 50V AC
 Contact Resistance: $\le 50\text{m}\Omega$
 Insulation Resistance: $\ge 500\text{ M}\Omega\text{ MIN}$
 Withstanding Voltage: 150V AC/1Minute
 Temperature Range-Operating: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$

Material
 Housing: LCP (UL94V-0), Natural
 Terminal: Copper Alloy, Gold plated on contact area and solder area, nickel under plated overall
 Solder Tab: Copper Alloy, Tin-Plated
 Actuator: LCP (UL94V-0), Black



Recommended Flat Cable Size



Recommended P.C.Board Layout

Ordering Information

FFC 050 46 — XX S B B 1 1 3 NA 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. 46	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle B-90° Angle
7 Contact Position B-Bottom contact	8 ZIF 1-ZIF	9 Plating 1-Gold Plated	10 Material-Resin 3-LCP	11 Color-Resin NA-Housing: Natural, Actuator: Black	12 Packaging M-Reel

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 13/OCT/21	PART NO. FFC05046-XXSBB113NAM	ITEM NO. FFC05046	 Building Technology Cornerstone	
	DESIGN UNITS mm	X. ±0.30	X.* ±5'	CHECKED BY GISELLE	DATE 13/OCT/21	TITLE FPC/FFC Connector 0.50mm Bottom Contact SMT		REV 0
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX* ±1'	DRAWN BY PYD	DATE 13/OCT/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B

C

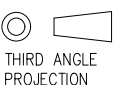

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E

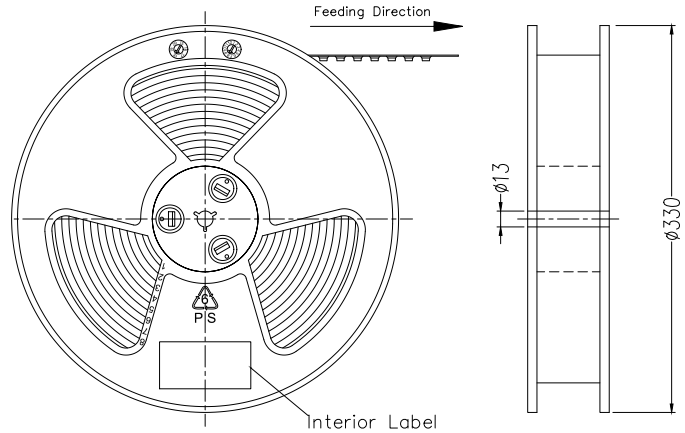
F

Circuits (n)	Part NO.	Dimensions						
		A	B	C	D	E	F	G
5	FFC05046-05SBB113NAM	7.45	3.07	2.00	7.10	4.60	3.00	4.50
6	FFC05046-06SBB113NAM	7.95	3.57	2.50	7.60	5.10	3.50	5.00
7	FFC05046-07SBB113NAM	8.45	4.07	3.00	8.10	5.60	4.00	5.50
8	FFC05046-08SBB113NAM	8.95	4.57	3.50	8.60	6.10	4.50	6.00
9	FFC05046-09SBB113NAM	9.45	5.07	4.00	9.10	6.60	5.00	6.50
10	FFC05046-10SBB113NAM	9.95	5.57	4.50	9.60	7.10	5.50	7.00
11	FFC05046-11SBB113NAM	10.45	6.07	5.00	10.10	7.60	6.00	7.50
12	FFC05046-12SBB113NAM	10.95	6.57	5.50	10.60	8.10	6.50	8.00
13	FFC05046-13SBB113NAM	11.45	7.07	6.00	11.10	8.60	7.00	8.50
14	FFC05046-14SBB113NAM	11.95	7.57	6.50	11.60	9.10	7.50	9.00
15	FFC05046-15SBB113NAM	12.45	8.07	7.00	12.10	9.60	8.00	9.50
16	FFC05046-16SBB113NAM	12.95	8.57	7.50	12.60	10.10	8.50	10.00
17	FFC05046-17SBB113NAM	13.45	9.07	8.00	13.10	10.60	9.00	10.50
18	FFC05046-18SBB113NAM	13.95	9.57	8.50	13.60	11.10	9.50	11.00
19	FFC05046-19SBB113NAM	14.45	10.07	9.00	14.10	11.60	10.00	11.50
20	FFC05046-20SBB113NAM	14.95	10.57	9.50	14.60	12.10	10.50	12.00
21	FFC05046-21SBB113NAM	15.45	11.07	10.00	15.10	12.60	11.00	12.50
22	FFC05046-22SBB113NAM	15.95	11.57	10.50	15.60	13.10	11.50	13.00
23	FFC05046-23SBB113NAM	16.45	12.07	11.00	16.10	13.60	12.00	13.50
24	FFC05046-24SBB113NAM	16.95	12.57	11.50	16.60	14.10	12.50	14.00
25	FFC05046-25SBB113NAM	17.45	13.07	12.00	17.10	14.60	13.00	14.50
26	FFC05046-26SBB113NAM	17.95	13.57	12.50	17.60	15.10	13.50	15.00
27	FFC05046-27SBB113NAM	18.45	14.07	13.00	18.10	15.60	14.00	15.50
28	FFC05046-28SBB113NAM	18.95	14.57	13.50	18.60	16.10	14.50	16.00
29	FFC05046-29SBB113NAM	19.45	15.07	14.00	19.10	16.60	15.00	16.50
30	FFC05046-30SBB113NAM	19.95	15.57	14.50	19.60	17.10	15.50	17.00
31	FFC05046-31SBB113NAM	20.45	16.07	15.00	20.10	17.60	16.00	17.50
32	FFC05046-32SBB113NAM	20.95	16.57	15.50	20.60	18.10	16.50	18.00
33	FFC05046-33SBB113NAM	21.45	17.07	16.00	21.10	18.60	17.00	18.50
34	FFC05046-34SBB113NAM	21.95	17.57	16.50	21.60	19.10	17.50	19.00
35	FFC05046-35SBB113NAM	22.45	18.07	17.00	22.10	19.60	18.00	19.50
36	FFC05046-36SBB113NAM	22.95	18.57	17.50	22.60	20.10	18.50	20.00
37	FFC05046-37SBB113NAM	23.45	19.07	18.00	23.10	20.60	19.00	20.50
38	FFC05046-38SBB113NAM	23.95	19.57	18.50	23.60	21.10	19.50	21.00
39	FFC05046-39SBB113NAM	24.45	20.07	19.00	24.10	21.60	20.00	21.50
40	FFC05046-40SBB113NAM	24.95	20.57	19.50	24.60	22.10	20.50	22.00
41	FFC05046-41SBB113NAM	25.45	21.07	20.00	25.10	22.60	21.00	22.50
42	FFC05046-42SBB113NAM	25.95	21.57	20.50	25.60	23.10	21.50	23.00

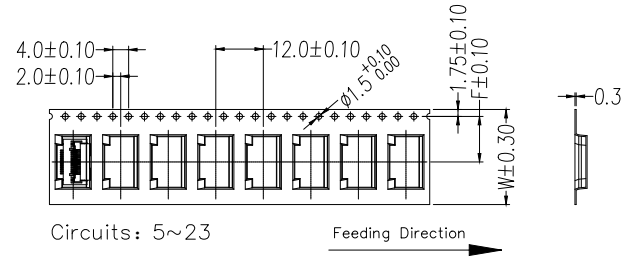
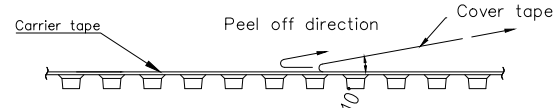
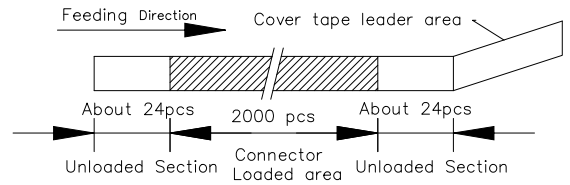
Circuits (n)	Part NO.	Dimensions						
		A	B	C	D	E	F	G
43	FFC05046-43SBB113NAM	26.45	22.07	21.00	26.10	23.60	22.00	23.50
44	FFC05046-44SBB113NAM	26.95	22.57	21.50	26.60	24.10	22.50	24.00
45	FFC05046-45SBB113NAM	27.45	23.07	22.00	27.10	24.60	23.00	24.50
46	FFC05046-46SBB113NAM	27.95	23.57	22.50	27.60	25.10	23.50	25.00
47	FFC05046-47SBB113NAM	28.45	24.07	23.00	28.10	25.60	24.00	25.50
48	FFC05046-48SBB113NAM	28.95	24.57	23.50	28.60	26.10	24.50	26.00
49	FFC05046-49SBB113NAM	29.45	25.07	24.00	29.10	26.60	25.00	26.50
50	FFC05046-50SBB113NAM	29.95	25.57	24.50	29.60	27.10	25.50	27.00
51	FFC05046-51SBB113NAM	30.45	26.07	25.00	30.10	27.60	26.00	27.50
52	FFC05046-52SBB113NAM	30.95	26.57	25.50	30.60	28.10	26.50	28.00
53	FFC05046-53SBB113NAM	31.45	27.07	26.00	31.10	28.60	27.00	28.50
54	FFC05046-54SBB113NAM	31.95	27.57	26.50	31.60	29.10	27.50	29.00
55	FFC05046-55SBB113NAM	32.45	28.07	27.00	32.10	29.60	28.00	29.50
56	FFC05046-56SBB113NAM	32.95	28.57	27.50	32.60	30.10	28.50	30.00
57	FFC05046-57SBB113NAM	33.45	29.07	28.00	33.10	30.60	29.00	30.50
58	FFC05046-58SBB113NAM	33.95	29.57	28.50	33.60	31.10	29.50	31.00
59	FFC05046-59SBB113NAM	34.45	30.07	29.00	34.10	31.60	30.00	31.50
60	FFC05046-60SBB113NAM	34.95	30.57	29.50	34.60	32.10	30.50	32.00
61	FFC05046-61SBB113NAM	35.45	31.07	30.00	35.10	32.60	31.00	32.50
62	FFC05046-62SBB113NAM	35.95	31.57	30.50	35.60	33.10	31.50	33.00
63	FFC05046-63SBB113NAM	36.45	32.07	31.00	36.10	33.60	32.00	33.50
64	FFC05046-64SBB113NAM	36.95	32.57	31.50	36.60	34.10	32.50	34.00
65	FFC05046-65SBB113NAM	37.45	33.07	32.00	37.10	34.60	33.00	34.50
66	FFC05046-66SBB113NAM	37.95	33.57	32.50	37.60	35.10	33.50	35.00
67	FFC05046-67SBB113NAM	38.45	34.07	33.00	38.10	35.60	34.00	35.50
68	FFC05046-68SBB113NAM	38.95	34.57	33.50	38.60	36.10	34.50	36.00
69	FFC05046-69SBB113NAM	39.45	35.07	34.00	39.10	36.60	35.00	36.50
70	FFC05046-70SBB113NAM	39.95	35.57	34.50	39.60	37.10	35.50	37.00
71	FFC05046-71SBB113NAM	40.45	36.07	35.00	40.10	37.60	36.00	37.50
72	FFC05046-72SBB113NAM	40.95	36.57	35.50	40.60	38.10	36.50	38.00
73	FFC05046-73SBB113NAM	41.45	37.07	36.00	41.10	38.60	37.00	38.50
74	FFC05046-74SBB113NAM	41.95	37.57	36.50	41.60	39.10	37.50	39.00
75	FFC05046-75SBB113NAM	42.45	38.07	37.00	42.10	39.60	38.00	39.50
76	FFC05046-76SBB113NAM	42.95	38.57	37.50	42.60	40.10	38.50	40.00
77	FFC05046-77SBB113NAM	43.45	39.07	38.00	43.10	40.60	39.00	40.50
78	FFC05046-78SBB113NAM	43.95	39.57	38.50	43.60	41.10	39.50	41.00
79	FFC05046-79SBB113NAM	44.45	40.07	39.00	44.10	41.60	40.00	41.50
80	FFC05046-80SBB113NAM	44.95	40.57	39.50	44.60	42.10	40.50	42.00

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone		
	X. ±0.30	X.* ±5'	LEO	13/OCT/21				FFC05046-XXSBB113NAM	FFC05046
	DESIGN UNITS mm		CHECKED BY	DATE	TITLE			REV 0	SHEET NO. 2/3
	X.X ±0.20	X.X' ±2'	GISELLE	13/OCT/21	FPC/FFC Connector 0.50mm Bottom Contact SMT				
SCALE 5:1	SIZE A4	X.XX ±0.15	X.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 ±0.10	X.XXX' ±0.5'	PYD	13/OCT/21				

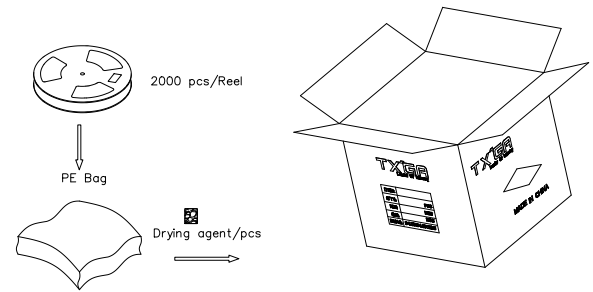
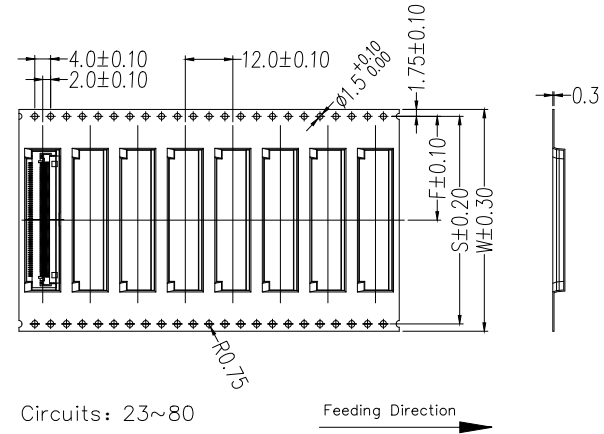
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



- 10 sprocket hole cumulative tolerance ± 0.2
- Carrier camber is within 1.0mm in 250mm
- Material: Clear 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: 2000 pcs



Circuits (n)	Dimensions		
	W	S	F
5-7	16	-	7.5
8-23	24	-	11.5
24-34	32	28.4	14.2
35-58	44	40.4	20.2
59-80	56	52.4	26.2



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone	
	X. ±0.30	X.* ±5'	LEO	13/OCT/21	FFC05046-XXSBB113NAM	FFC05046		
	DESIGN UNITS	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE		REV 0
	mm	X.XX ±0.15	X.XX' ±1'	GISELLE	13/OCT/21	FPC/FFC Connector 0.50mm Bottom Contact SMT		SHEET NO. 3/3
SCALE	SIZE	X.XXX ±0.10	X.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			PYD	13/OCT/21			