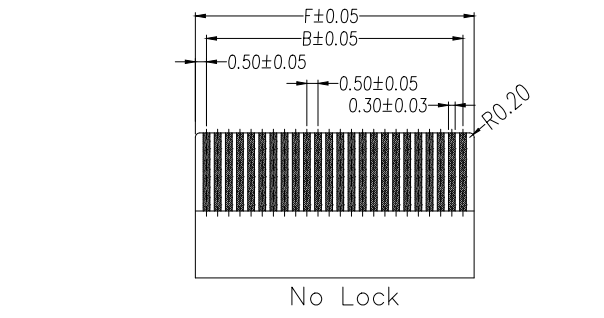


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

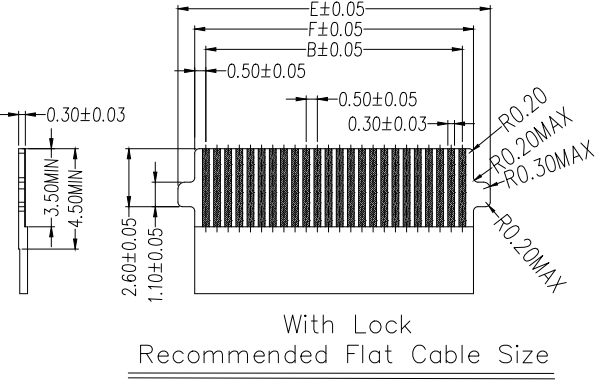
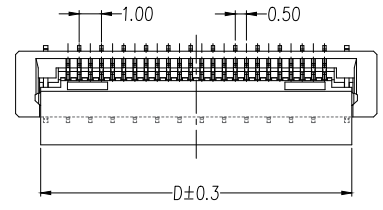
**SPECIFICATIONS**

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

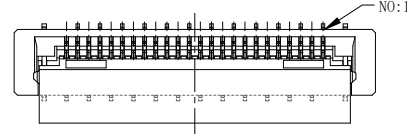
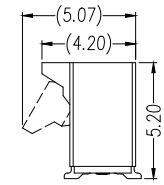
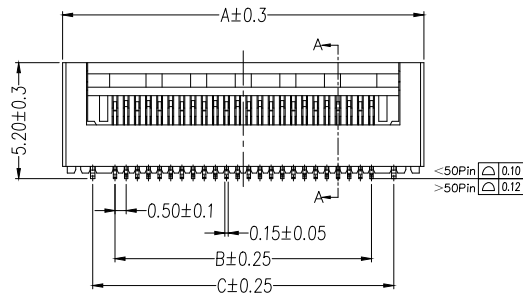
Material  
 Housing: LCP (UL94V-0), Natural  
 Terminal: Copper Alloy, Gold plated on contact area and solder area, nickel under plated overall  
 Solder Tab: Copper Alloy, Tin-Plated  
 Actuator: LCP (UL94V-0), Black



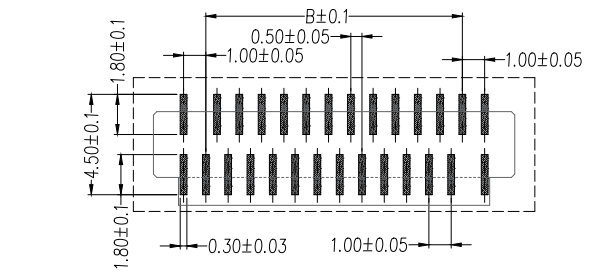
No Lock



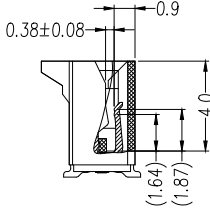
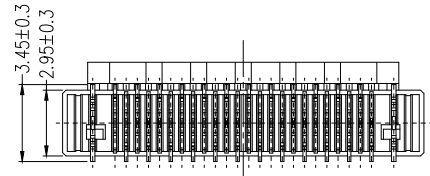
With Lock  
 Recommended Flat Cable Size



Positive pin



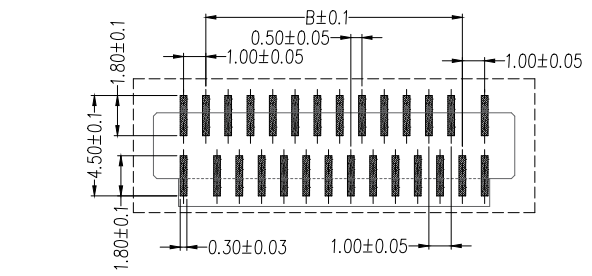
Positive pin



SECTION A-A



Reverse pin



Reverse pin

Recommended P.C.Board Layout

**Ordering Information**



FFC	050	47	—	XX	S	S	X	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. 47	4   Circuits XX	5   Assemble Layout S-SMT	6   Entry Angle S-Vertical(180°)
7   Contact Position A-Positive pin B-Reverse pin	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

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 08/NOV/21	PART NO. FFC05047-XXSSX113NAM	ITEM NO. FFC05047	<p>Building Technology Cornerstone</p>	
	X. ±0.30	X.* ±5'	CHECKED BY GISELLE	DATE 08/NOV/21	TITLE FPC/FFC Connector 0.50mm SMT			REV 0
	DESIGN UNITS mm		X.X ±0.20	X.X' ±2'	DRAWN BY PYD	DATE 08/NOV/21	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	X.XX ±0.15	X.XX' ±1'				

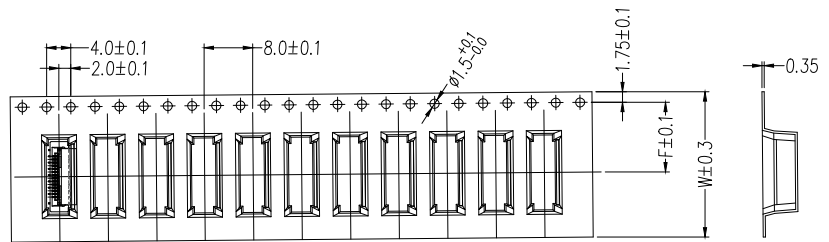
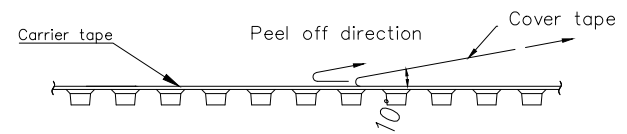
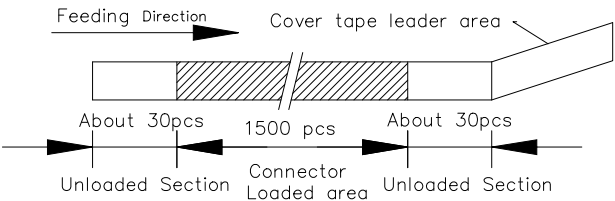
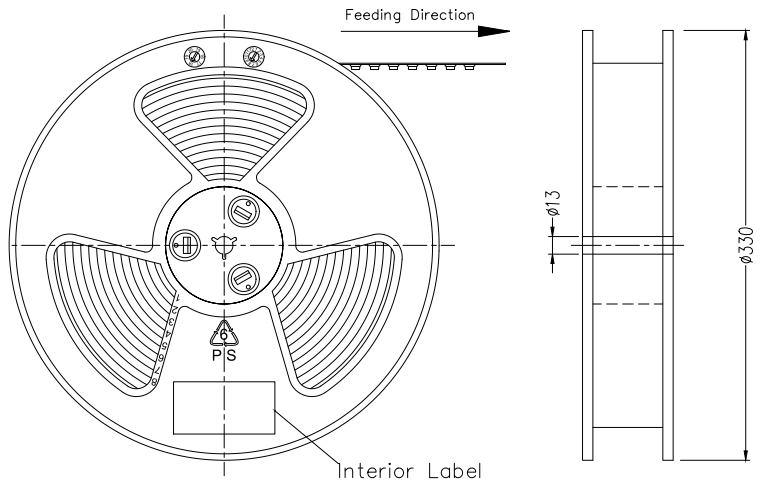
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part NO.	Dimensions						Circuits (n)	Part NO.	Dimensions					
		A	B	C	D	E	F			A	B	C	D	E	F
5	FFC05047-05SSX113NAM	6.70	2.00	4.00	4.45	4.50	3.00	38	FFC05047-38SSX113NAM	23.20	18.50	20.50	20.95	21.00	19.50
6	FFC05047-06SSX113NAM	7.20	2.50	4.50	4.95	5.00	3.50	39	FFC05047-39SSX113NAM	23.70	19.00	21.00	21.45	21.50	20.00
7	FFC05047-07SSX113NAM	7.70	3.00	5.00	5.45	5.50	4.00	40	FFC05047-40SSX113NAM	24.20	19.50	21.50	21.95	22.00	20.50
8	FFC05047-08SSX113NAM	8.20	3.50	5.50	5.95	6.00	4.50	41	FFC05047-41SSX113NAM	24.70	20.00	22.00	22.45	22.50	21.00
9	FFC05047-09SSX113NAM	8.70	4.00	6.00	6.45	6.50	5.00	42	FFC05047-42SSX113NAM	25.20	20.50	22.50	22.95	23.00	21.50
10	FFC05047-10SSX113NAM	9.20	4.50	6.50	6.95	7.00	5.50	43	FFC05047-43SSX113NAM	25.70	21.00	23.00	23.45	23.50	22.00
11	FFC05047-11SSX113NAM	9.70	5.00	7.00	7.45	7.50	6.00	44	FFC05047-44SSX113NAM	26.20	21.50	23.50	23.95	24.00	22.50
12	FFC05047-12SSX113NAM	10.20	5.50	7.50	7.95	8.00	6.50	45	FFC05047-45SSX113NAM	26.70	22.00	24.00	24.45	24.50	23.00
13	FFC05047-13SSX113NAM	10.70	6.00	8.00	8.45	8.50	7.00	46	FFC05047-46SSX113NAM	27.20	22.50	24.50	24.95	25.00	23.50
14	FFC05047-14SSX113NAM	11.20	6.50	8.50	8.95	9.00	7.50	47	FFC05047-47SSX113NAM	27.70	23.00	25.00	25.45	25.50	24.00
15	FFC05047-15SSX113NAM	11.70	7.00	9.00	9.45	9.50	8.00	48	FFC05047-48SSX113NAM	28.20	23.50	25.50	25.95	26.00	24.50
16	FFC05047-16SSX113NAM	12.20	7.50	9.50	9.95	10.00	8.50	49	FFC05047-49SSX113NAM	28.70	24.00	26.00	26.45	26.50	25.00
17	FFC05047-17SSX113NAM	12.70	8.00	10.00	10.45	10.50	9.00	50	FFC05047-50SSX113NAM	29.20	24.50	26.50	26.95	27.00	25.50
18	FFC05047-18SSX113NAM	13.20	8.50	10.50	10.95	11.00	9.50	51	FFC05047-51SSX113NAM	29.70	25.00	27.00	27.45	27.50	26.00
19	FFC05047-19SSX113NAM	13.70	9.00	11.00	11.45	11.50	10.00	52	FFC05047-52SSX113NAM	30.20	25.50	27.50	27.95	28.00	26.50
20	FFC05047-20SSX113NAM	14.20	9.50	11.50	11.95	12.00	10.50	53	FFC05047-53SSX113NAM	30.70	26.00	28.00	28.45	28.50	27.00
21	FFC05047-21SSX113NAM	14.70	10.00	12.00	12.45	12.50	11.00	54	FFC05047-54SSX113NAM	31.20	26.50	28.50	28.95	29.00	27.50
22	FFC05047-22SSX113NAM	15.20	10.50	12.50	12.95	13.00	11.50	55	FFC05047-55SSX113NAM	31.70	27.00	29.00	29.45	29.50	28.00
23	FFC05047-23SSX113NAM	15.70	11.00	13.00	13.45	13.50	12.00	56	FFC05047-56SSX113NAM	32.20	27.50	29.50	29.95	30.00	28.50
24	FFC05047-24SSX113NAM	16.20	11.50	13.50	13.95	14.00	12.50	57	FFC05047-57SSX113NAM	32.70	28.00	30.00	30.45	30.50	29.00
25	FFC05047-25SSX113NAM	16.70	12.00	14.00	14.45	14.50	13.00	58	FFC05047-58SSX113NAM	33.20	28.50	30.50	30.95	31.00	29.50
26	FFC05047-26SSX113NAM	17.20	12.50	14.50	14.95	15.00	13.50	59	FFC05047-59SSX113NAM	33.70	29.00	31.00	31.45	31.50	30.00
27	FFC05047-27SSX113NAM	17.70	13.00	15.00	15.45	15.50	14.00	60	FFC05047-60SSX113NAM	34.20	29.50	31.50	31.95	32.00	30.50
28	FFC05047-28SSX113NAM	18.20	13.50	15.50	15.95	16.00	14.50	61	FFC05047-61SSX113NAM	34.70	30.00	32.00	32.45	32.50	31.00
29	FFC05047-29SSX113NAM	18.70	14.00	16.00	16.45	16.50	15.00	62	FFC05047-62SSX113NAM	35.20	30.50	32.50	32.95	33.00	31.50
30	FFC05047-30SSX113NAM	19.20	14.50	16.50	16.95	17.00	15.50	63	FFC05047-63SSX113NAM	35.70	31.00	33.00	33.45	33.50	32.00
31	FFC05047-31SSX113NAM	19.70	15.00	17.00	17.45	17.50	16.00	64	FFC05047-64SSX113NAM	36.20	31.50	33.50	33.95	34.00	32.50
32	FFC05047-32SSX113NAM	20.20	15.50	17.50	17.95	18.00	16.50	65	FFC05047-65SSX113NAM	36.70	32.00	34.00	34.45	34.50	33.00
33	FFC05047-33SSX113NAM	20.70	16.00	18.00	18.45	18.50	17.00	66	FFC05047-66SSX113NAM	37.20	32.50	34.50	34.95	35.00	33.50
34	FFC05047-34SSX113NAM	21.20	16.50	18.50	18.95	19.00	17.50	67	FFC05047-67SSX113NAM	37.70	33.00	35.00	35.45	35.50	34.00
35	FFC05047-35SSX113NAM	21.70	17.00	19.00	19.45	19.50	18.00	68	FFC05047-68SSX113NAM	38.20	33.50	35.50	35.95	36.00	34.50
36	FFC05047-36SSX113NAM	22.20	17.50	19.50	19.95	20.00	18.50	69	FFC05047-69SSX113NAM	38.70	34.00	36.00	36.45	36.50	35.00
37	FFC05047-37SSX113NAM	22.70	18.00	20.00	20.45	20.50	19.00	70	FFC05047-70SSX113NAM	39.20	34.50	36.50	36.95	37.00	35.50

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone REV 0 SHEET NO. 2/3
	X. ±0.30	X.* ±5'	CHECKED BY	DATE	FPC/FFC Connector 0.50mm SMT	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	X.X ±0.20	X.X' ±2'	GISELLE	08/NOV/21			
	X.XX ±0.15	X.XX' ±1'	DRAWN BY	DATE			
SCALE 5:1	SIZE A4	X.XXX ±0.10	X.XXX' ±0.5'	PYD	08/NOV/21		

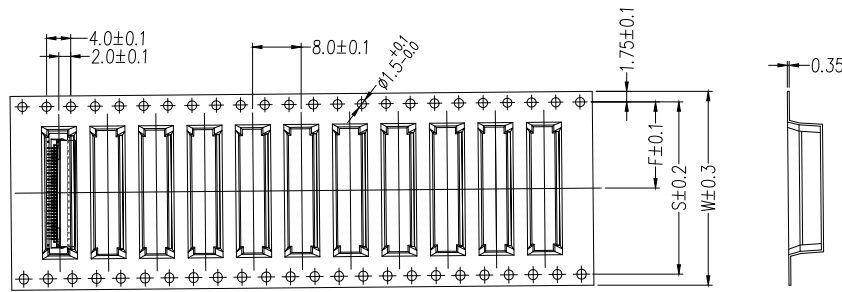
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

- 10 sprocket hole cumulative tolerance  $\pm 0.2$
- 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: 1500 pcs

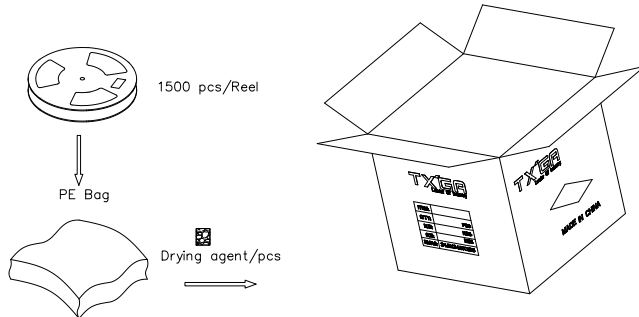


Circuits: 5~24

Circuits (n)	Dimensions		
	W	S	F
5~8	16	—	7.5
9~24	24	—	11.5
25~34	32	28.4	14.2
35~58	44	40.4	20.2
59~70	56	52.4	26.2



Circuits: 25~70



 THIRD ANGLE PROJECTION  DESIGN UNITS mm  SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone REV 0 SHEET NO. 3/3
	X. $\pm 0.30$	X.* $\pm 5^*$	CHECKED BY	DATE	TITLE		
	X.X $\pm 0.20$	X.X* $\pm 2^*$	GISELLE	08/NOV/21	FPC/FFC Connector 0.50mm SMT		
	X.XX $\pm 0.15$	X.XX* $\pm 1^*$	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 $\pm 0.10$	X.XXX* $\pm 0.5^*$	PYD	08/NOV/21			