

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

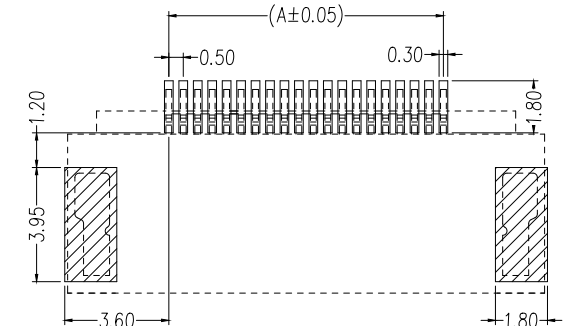
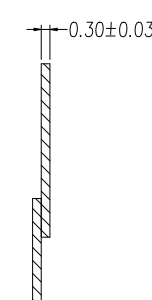
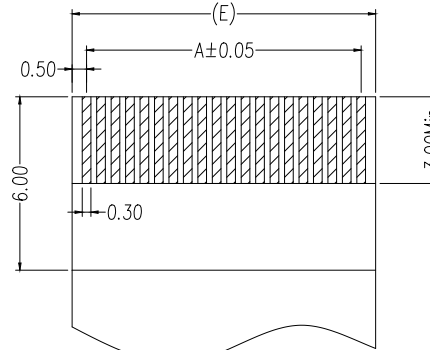
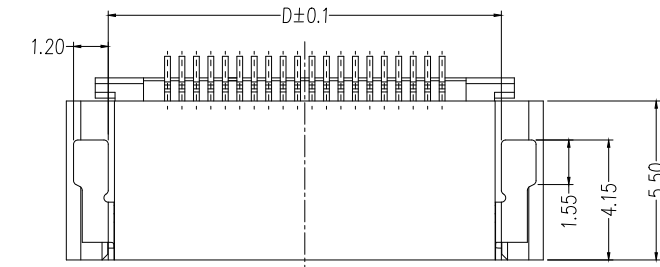
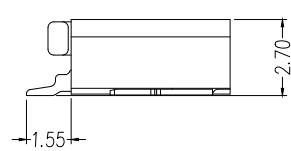
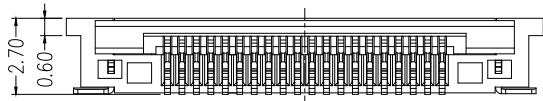
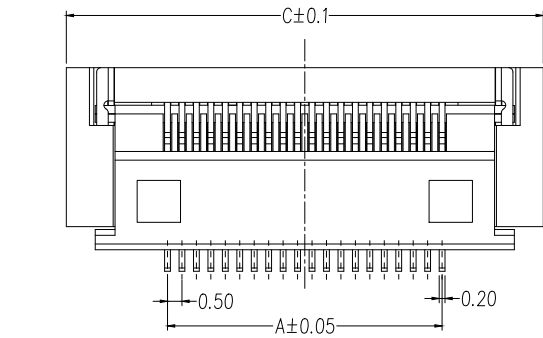
SPECIFICATIONS

Electrical

Current Rating: 0.5A
 Voltage Rating: 50V AC
 Contact Resistance: $\leq 20\text{m}\Omega$ (Initial) per contact,
 $\leq 40\text{m}\Omega$ Change allowed.
 Insulation Resistance: 100 M Ω MIN
 Withstanding Voltage: 150V AC
 Temperature Range—Operating: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

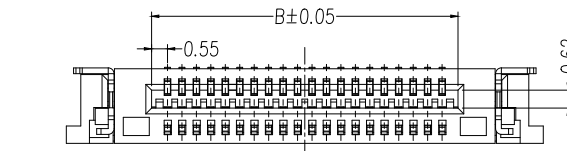
Material

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

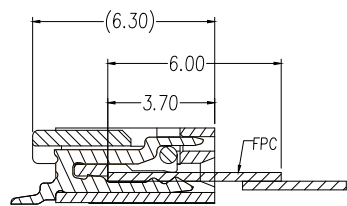
Recommended P.C. Board Layout



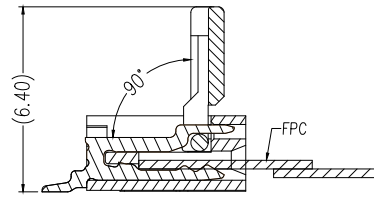
Ordering Information

FFC 050 45 — 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. 45	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



Locked Position



Unlocked Position



THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 09/OCT/21	PART NO. FFC05045-XXSBB113NAM	ITEM NO. FFC05045	 Building Technology Cornerstone
	X. ±0.30	X.* ±5'	CHECKED BY GISELLE	DATE 09/OCT/21	TITLE FPC/FFC Connector 0.50mm Bottom Contact SMT		
DESIGN UNITS mm	X.X ±0.20	X.X' ±2'	DRAWN BY PYD	DATE 09/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 0
SCALE 5:1	SIZE A4	X.XX ±0.15					SHEET NO. 1/3
		X.XXX ±0.10					

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

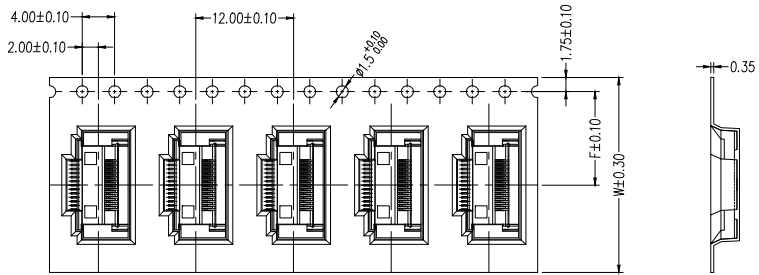
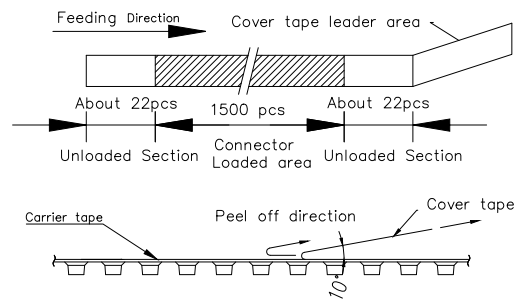
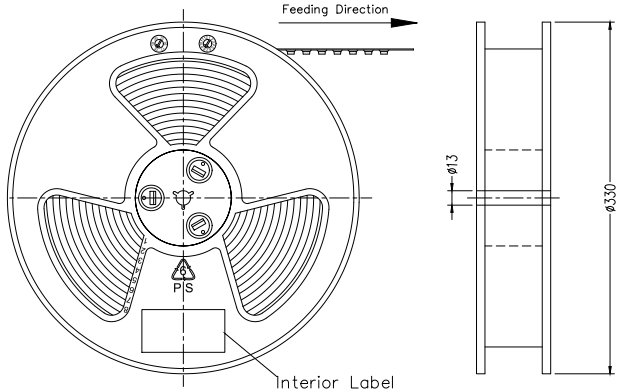
Circuits (n)	Part NO.	Dimensions				
		A	B	C	D	E
8	FFC05045-08SBB113NAM	3.50	4.60	10.50	7.60	4.50
10	FFC05045-10SBB113NAM	4.50	5.60	11.50	8.60	5.50
11	FFC05045-11SBB113NAM	5.00	6.10	12.00	9.10	6.00
12	FFC05045-12SBB113NAM	5.50	6.60	12.50	9.60	6.50
13	FFC05045-13SBB113NAM	6.00	7.10	13.00	10.10	7.00
14	FFC05045-14SBB113NAM	6.50	7.60	13.50	10.60	7.50
15	FFC05045-15SBB113NAM	7.00	8.10	14.00	11.10	8.00
16	FFC05045-16SBB113NAM	7.50	8.60	14.50	11.60	8.50
17	FFC05045-17SBB113NAM	8.00	9.10	15.00	12.10	9.00
18	FFC05045-18SBB113NAM	8.50	9.60	15.50	12.60	9.50
19	FFC05045-19SBB113NAM	9.00	10.10	16.00	13.10	10.00
20	FFC05045-20SBB113NAM	9.50	10.60	16.50	13.60	10.50
21	FFC05045-21SBB113NAM	10.00	11.10	17.00	14.10	11.00
22	FFC05045-22SBB113NAM	10.50	11.60	17.50	14.60	11.50
23	FFC05045-23SBB113NAM	11.00	12.10	18.00	15.10	12.00
24	FFC05045-24SBB113NAM	11.50	12.60	18.50	15.60	12.50
25	FFC05045-25SBB113NAM	12.00	13.10	19.00	16.10	13.00
26	FFC05045-26SBB113NAM	12.50	13.60	19.50	16.60	13.50
27	FFC05045-27SBB113NAM	13.00	14.10	20.00	17.10	14.00
28	FFC05045-28SBB113NAM	13.50	14.60	20.50	17.60	14.50
29	FFC05045-29SBB113NAM	14.00	15.10	21.00	18.10	15.00
30	FFC05045-30SBB113NAM	14.50	15.60	21.50	18.60	15.50
31	FFC05045-31SBB113NAM	15.00	16.10	22.00	19.10	16.00
32	FFC05045-32SBB113NAM	15.50	16.60	22.50	19.60	16.50
33	FFC05045-33SBB113NAM	16.00	17.10	23.00	20.10	17.00
34	FFC05045-34SBB113NAM	16.50	17.60	23.50	20.60	17.50
35	FFC05045-35SBB113NAM	17.00	18.10	24.00	21.10	18.00
36	FFC05045-36SBB113NAM	17.50	18.60	24.50	21.60	18.50
37	FFC05045-37SBB113NAM	18.00	19.10	25.00	22.10	19.00
38	FFC05045-38SBB113NAM	18.50	19.60	25.50	22.60	19.50

Circuits (n)	Part NO.	Dimensions				
		A	B	C	D	E
39	FFC05045-39SBB113NAM	19.00	20.10	26.00	23.10	20.00
40	FFC05045-40SBB113NAM	19.50	20.60	26.50	23.60	20.50
41	FFC05045-41SBB113NAM	20.00	21.10	27.00	24.10	21.00
42	FFC05045-42SBB113NAM	20.50	21.60	27.50	24.60	21.50
43	FFC05045-43SBB113NAM	21.00	22.10	28.00	25.10	22.00
44	FFC05045-44SBB113NAM	21.50	22.60	28.50	25.60	22.50
45	FFC05045-45SBB113NAM	22.00	23.10	29.00	26.10	23.00
46	FFC05045-46SBB113NAM	22.50	23.60	29.50	26.60	23.50
47	FFC05045-47SBB113NAM	23.00	24.10	30.00	27.10	24.00
48	FFC05045-48SBB113NAM	23.50	24.60	30.50	27.60	24.50
49	FFC05045-49SBB113NAM	24.00	25.10	31.00	28.10	25.00
50	FFC05045-50SBB113NAM	24.50	25.60	31.50	28.60	25.50
51	FFC05045-51SBB113NAM	25.00	26.10	32.00	29.10	26.00
52	FFC05045-52SBB113NAM	25.50	26.60	32.50	29.60	26.50
53	FFC05045-53SBB113NAM	26.00	27.10	33.00	30.10	27.00
54	FFC05045-54SBB113NAM	26.50	27.60	33.50	30.60	27.50
55	FFC05045-55SBB113NAM	27.00	28.10	34.00	31.10	28.00
56	FFC05045-56SBB113NAM	27.50	28.60	34.50	31.60	28.50
57	FFC05045-57SBB113NAM	28.00	29.10	35.00	32.10	29.00
58	FFC05045-58SBB113NAM	28.50	29.60	35.50	32.60	29.50
59	FFC05045-59SBB113NAM	29.00	30.10	36.00	33.10	30.00
60	FFC05045-60SBB113NAM	29.50	30.60	36.50	33.60	30.50
61	FFC05045-61SBB113NAM	30.00	31.10	37.00	34.10	31.00
62	FFC05045-62SBB113NAM	30.50	31.60	37.50	34.60	31.50
63	FFC05045-63SBB113NAM	31.00	32.10	38.00	35.10	32.00
64	FFC05045-64SBB113NAM	31.50	32.60	38.50	35.60	32.50
65	FFC05045-65SBB113NAM	32.00	33.10	39.00	36.10	33.00
66	FFC05045-66SBB113NAM	32.50	33.60	39.50	36.60	33.50
67	FFC05045-67SBB113NAM	33.00	34.10	40.00	37.10	34.00
68	FFC05045-68SBB113NAM	33.50	34.60	40.50	37.60	34.50

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone
	X.X ±0.30	X.* ±5'	LEO	09/OCT/21			
	DESIGN UNITS mm		CHECKED BY	DATE	TITLE		
	X.X ±0.20	X.X' ±2'	GISELLE	09/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	REV 0	SHEET NO. 2/3
		X.XXX ±0.10	X.XXX' ±0.5'	PYD	09/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	

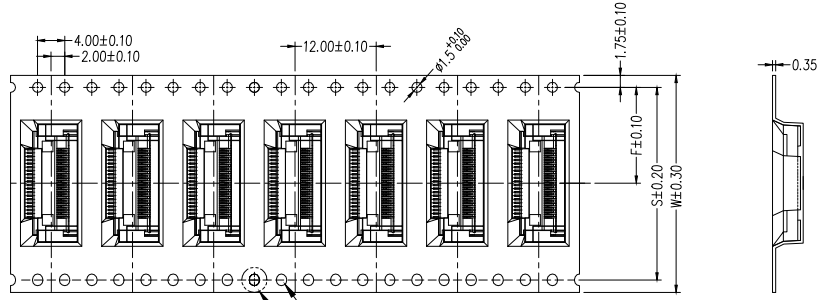
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

- 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: 1500 pcs

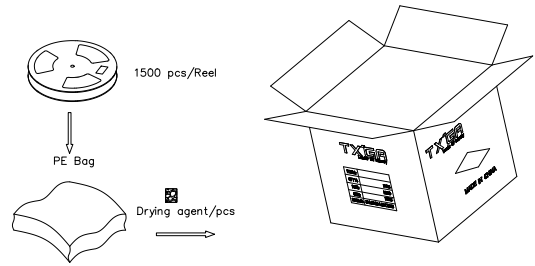


Circuits (n)	Dimensions		
	W	S	F
8-17	24	-	11.5
18-25	32	28.4	14.2
26-50	44	40.4	20.2
51-68	56	52.4	26.25

Circuits: 8~17 Feeding Direction



Circuits: 18~68 Feeding Direction



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X. ±0.30	X.* ±5'	LEO	09/OCT/21	FFC05045-XXSBB113NAM	FFC05045	
	DESIGN UNITS	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE	REV 0 SHEET NO. 3/3
	mm	X.XX ±0.15	X.XX' ±1'	GISELLE	09/OCT/21	FPC/FFC Connector 0.50mm Bottom Contact SMT	
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	09/OCT/21		