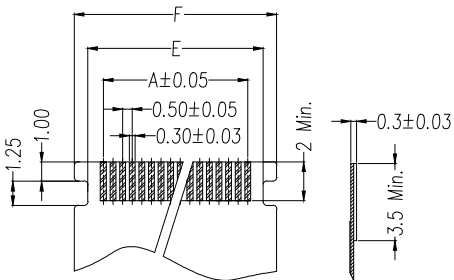
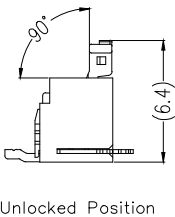
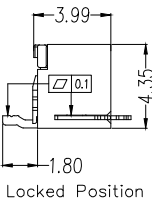
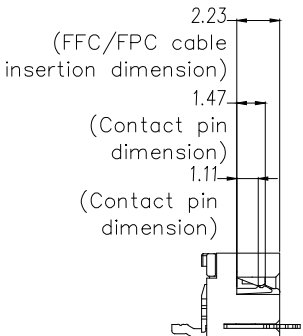


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

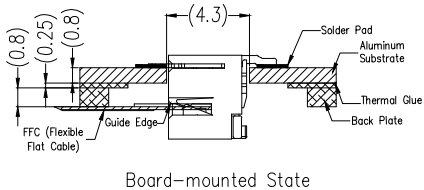
SPECIFICATIONS

Electrical
Current Rating:0.5A
Voltage Rating:50V AC/DC
Contact Resistance:≤30mΩ
Insulation Resistance:100 MΩ MIN
Withstanding Voltage:250V AC
Temperature Range—Operating: −40℃~+105℃

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
Terminal Retainer: LCP (UL94V-0),Natural



Recommended Flat Cable Size

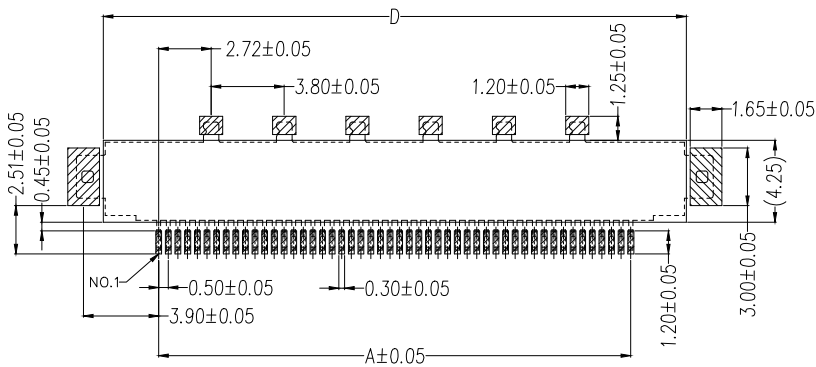
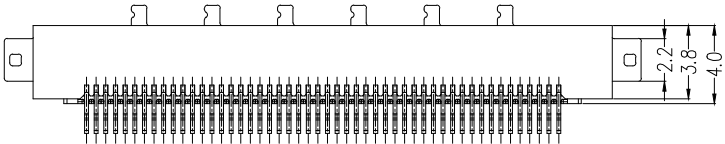
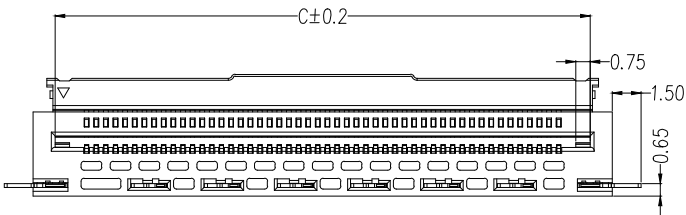
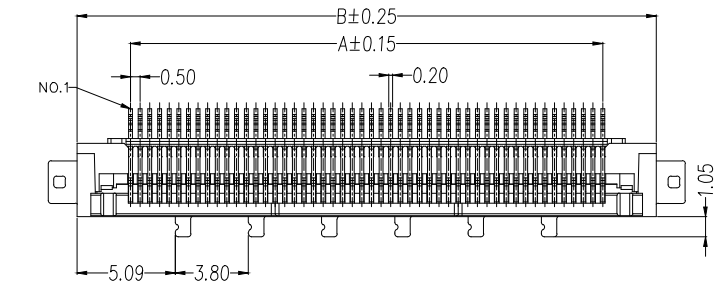


Board-mounted State

Ordering Information

FFC	050	52	—	XX	S	B	A	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. 52	4 Circuits XX	5 Assemble Layout S—SMT	6 Entry Angle B—90° Angle
7 Contact Position A—Top 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



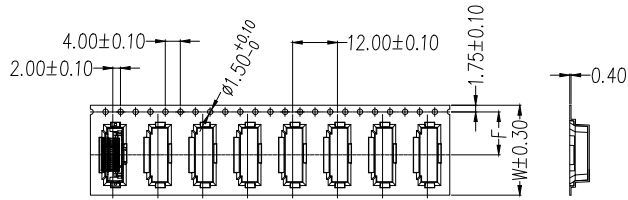
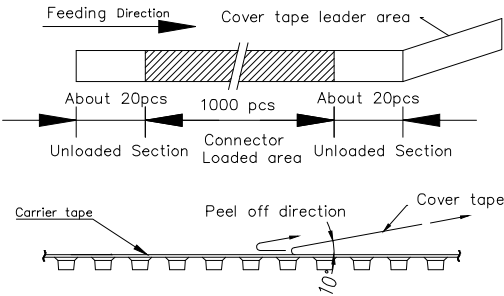
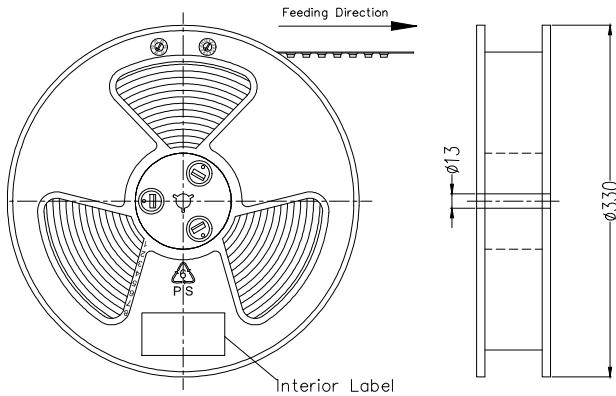
Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 09/May/21	PART NO. FFC05052-XXSBA113NAM	ITEM NO. FFC05052	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE FPC/FFC Connector 0.50mm Top Contact SMT			
DESIGN UNITS mm		X.X ±0.20	X.X* ±2°	GISELLE	09/May/21			REV 0	SHEET NO. 1/3
		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			
SCALE 5:1	SIZE A4	X.XXX ±0.10	X.XXX* ±0.5°	PYD	09/May/21				

1		2		3		4		5		6		7		8															
										REV	LOCATIONS	DESCRIPTION		DATE	REVISER	APPD													
A	B	C	D	E	F	Circuits (n)	Part NO.	Dimensions						Circuits (n)	Part NO.	Dimensions													
								A	B	C	D	E	F			A	B	C	D	E	F								
								10	FFC05052-10SBA113NAM	4.50	10.05	7.76	10.25			6.10	7.70	40	FFC05052-40SBA113NAM	19.50	25.05	22.76	25.25	21.10	22.70				
								11	FFC05052-11SBA113NAM	5.00	10.55	8.26	10.75			6.60	8.20	41	FFC05052-41SBA113NAM	20.00	25.55	23.26	25.75	21.60	23.20				
								12	FFC05052-12SBA113NAM	5.50	11.05	8.76	11.25			7.10	8.70	42	FFC05052-42SBA113NAM	20.50	26.05	23.76	26.25	22.10	23.70				
								13	FFC05052-13SBA113NAM	6.00	11.55	9.26	11.75			7.60	9.20	43	FFC05052-43SBA113NAM	21.00	26.55	24.26	26.75	22.60	24.20				
								14	FFC05052-14SBA113NAM	6.50	12.05	9.76	12.25			8.10	9.70	44	FFC05052-44SBA113NAM	21.50	27.05	24.76	27.25	23.10	24.70				
								15	FFC05052-15SBA113NAM	7.00	12.55	10.26	12.75			8.60	10.20	45	FFC05052-45SBA113NAM	22.00	27.55	25.26	27.75	23.60	25.20				
								16	FFC05052-16SBA113NAM	7.50	13.05	10.76	13.25			9.10	10.70	46	FFC05052-46SBA113NAM	22.50	28.05	25.76	28.25	24.10	25.70				
								17	FFC05052-17SBA113NAM	8.00	13.55	11.26	13.75			9.60	11.20	47	FFC05052-47SBA113NAM	23.00	28.55	26.26	28.75	24.60	26.20				
18	FFC05052-18SBA113NAM	8.50	14.05	11.76	14.25	10.10	11.70	48	FFC05052-48SBA113NAM	23.50	29.05	26.76	29.25	25.10	26.70														
19	FFC05052-19SBA113NAM	9.00	14.55	12.26	14.75	10.60	12.20	49	FFC05052-49SBA113NAM	24.00	29.55	27.26	29.75	25.60	27.20														
20	FFC05052-20SBA113NAM	9.50	15.05	12.76	15.25	11.10	12.70	50	FFC05052-50SBA113NAM	24.50	30.05	27.76	30.25	26.10	27.70														
21	FFC05052-21SBA113NAM	10.00	15.55	13.26	15.75	11.60	13.20	51	FFC05052-51SBA113NAM	25.00	30.55	28.26	30.75	26.60	28.20														
22	FFC05052-22SBA113NAM	10.50	16.05	13.76	16.25	12.10	13.70	52	FFC05052-52SBA113NAM	25.50	31.05	28.76	31.25	27.10	28.70														
23	FFC05052-23SBA113NAM	11.00	16.55	14.26	16.75	12.60	14.20	53	FFC05052-53SBA113NAM	26.00	31.55	29.26	31.75	27.60	29.20														
24	FFC05052-24SBA113NAM	11.50	17.05	14.76	17.25	13.10	14.70	54	FFC05052-54SBA113NAM	26.50	32.05	29.76	32.25	28.10	29.70														
25	FFC05052-25SBA113NAM	12.00	17.55	15.26	17.75	13.60	15.20	55	FFC05052-55SBA113NAM	27.00	32.55	30.26	32.75	28.60	30.20														
26	FFC05052-26SBA113NAM	12.50	18.05	15.76	18.25	14.10	15.70	56	FFC05052-56SBA113NAM	27.50	33.05	30.76	33.25	29.10	30.70														
27	FFC05052-27SBA113NAM	13.00	18.55	16.26	18.75	14.60	16.20	57	FFC05052-57SBA113NAM	28.00	33.55	31.26	33.75	29.60	31.20														
28	FFC05052-28SBA113NAM	13.50	19.05	16.76	19.25	15.10	16.70	58	FFC05052-58SBA113NAM	28.50	34.05	31.76	34.25	30.10	31.70														
29	FFC05052-29SBA113NAM	14.00	19.55	17.26	19.75	15.60	17.20	59	FFC05052-59SBA113NAM	29.00	34.55	32.26	34.75	30.60	32.20														
30	FFC05052-30SBA113NAM	14.50	20.05	17.76	20.25	16.10	17.70	60	FFC05052-60SBA113NAM	29.50	35.05	32.76	35.25	31.10	32.70														
31	FFC05052-31SBA113NAM	15.00	20.55	18.26	20.75	16.60	18.20	61	FFC05052-61SBA113NAM	30.00	35.55	33.26	35.75	31.60	33.20														
32	FFC05052-32SBA113NAM	15.50	21.05	18.76	21.25	17.10	18.70	62	FFC05052-62SBA113NAM	30.50	36.05	33.76	36.25	32.10	33.70														
33	FFC05052-33SBA113NAM	16.00	21.55	19.26	21.75	17.60	19.20	63	FFC05052-63SBA113NAM	31.00	36.55	34.26	36.75	32.60	34.20														
34	FFC05052-34SBA113NAM	16.50	22.05	19.76	22.25	18.10	19.70	64	FFC05052-64SBA113NAM	31.50	37.05	34.76	37.25	33.10	34.70														
35	FFC05052-35SBA113NAM	17.00	22.55	20.26	22.75	18.60	20.20	65	FFC05052-65SBA113NAM	32.00	37.55	35.26	37.75	33.60	35.20														
36	FFC05052-36SBA113NAM	17.50	23.05	20.76	23.25	19.10	20.70	66	FFC05052-66SBA113NAM	32.50	38.05	35.76	38.25	34.10	35.70														
37	FFC05052-37SBA113NAM	18.00	23.55	21.26	23.75	19.60	21.20	67	FFC05052-67SBA113NAM	33.00	38.55	36.26	38.75	34.60	36.20														
38	FFC05052-38SBA113NAM	18.50	24.05	21.76	24.25	20.10	21.70	68	FFC05052-68SBA113NAM	33.50	39.05	36.76	39.25	35.10	36.70														
39	FFC05052-39SBA113NAM	19.00	24.55	22.26	24.75	20.60	22.20																						
																THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO		DATE 09/May/21		PART NO. FFC05052-XXSBA113NAM		ITEM NO. FFC05052		TXGA Building Technology Cornerstone	
DESIGN UNITS mm		X. ±0.30		X.* ±5'		CHECKED BY GISELLE		DATE 09/May/21		TITLE FPC/FFC Connector 0.50mm Top Contact SMT				REV 0		SHEET NO. 2/3													
		X.X ±0.20		X.X' ±2'		DRAWN BY PYD		DATE 09/May/21		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		X.XX ±0.15		X.XX' ±1'																									
SCALE 5:1		SIZE A4		X.XXX ±0.10		X.XXX' ±0.5'																							
1		2		3		4		5		6		7		8															

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

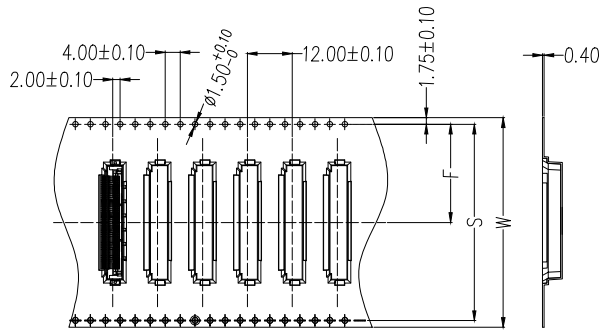
- 10 sprocket hole cumulative tolerance±0.2
- Carrier camber is within 1.0mm in 250mm
- Material: Clear conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-3 requirements
- Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
- Component load per 13" reel: 1000 pcs



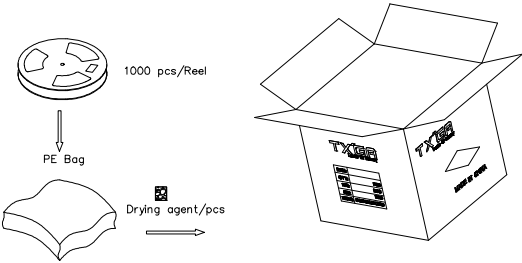
Circuits: 10~17



Circuits (n)	Dimensions		
	W	S	F
10-17	24	—	11.5
18-29	32	28.4	14.2
30-49	44	40.4	20.2
50-68	56	52.4	26.2



Circuits: 18~68



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 09/May/21	PART NO. FFC05052-XXSBA113NAM	ITEM NO. FFC05052	 Building Technology Cornerstone	
				CHECKED BY GISELLE	DATE 09/May/21	TITLE FFC/FFC Connector 0.50mm Top Contact SMT			
DESIGN UNITS mm		X. ±0.30	X.* ±5'	DRAWN BY PYD	DATE 09/May/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		X.X ±0.20	X.X' ±2'						
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX' ±1'						
		X.XXX ±0.10	X.XX' ±0.5'						
				REV 0 SHEET NO. 3/3					