

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SPECIFICATIONS

Electrical

Current Rating:0.5A AC(rms)/DC
Voltage Rating:50V AC(rms)/DC
Contact Resistance:30 mΩ Max
Insulation Resistance:500 MΩ MIN
Withstanding Voltage:500V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material and Plating

Housing: LCP (UL94V-0) Natural
Actuator: LCP (UL94V-0) Black
Terminal: Phosphor Bronze/Gold-Plated
LEG: Phosphor Bronze/ Tin Plated

Circuits (n)	Part NO.	Dimensions			
		A	B	C	D
6	FFC05050-06SBD113NAM	2.50	3.52	6.20	6.68
8	FFC05050-08SBD113NAM	3.50	4.52	7.20	7.68
10	FFC05050-10SBD113NAM	4.50	5.52	8.20	8.68
12	FFC05050-12SBD113NAM	5.50	6.52	9.20	9.68
20	FFC05050-20SBD113NAM	9.50	10.52	13.20	13.68
24	FFC05050-24SBD113NAM	11.50	12.52	15.20	15.68
26	FFC05050-26SBD113NAM	12.50	13.52	16.20	16.68
30	FFC05050-30SBD113NAM	14.50	15.52	18.20	18.68
32	FFC05050-32SBD113NAM	15.50	16.52	19.20	19.68

Ordering Information

FFC 050 50 — XX S B D 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. 50	4	Circuits XX	5	Assemble Layout S-SMT	6	Entry Angle B-90° Angle
7	Contact Position D-Double 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

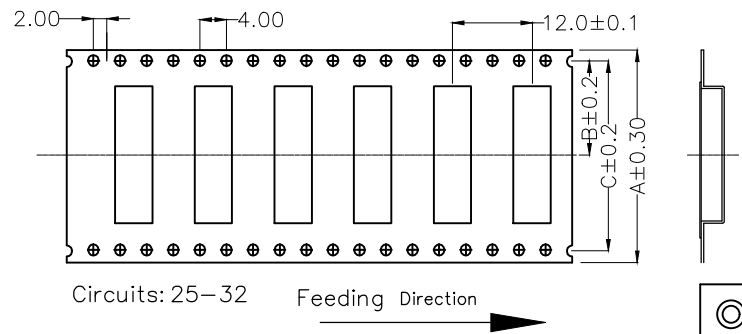
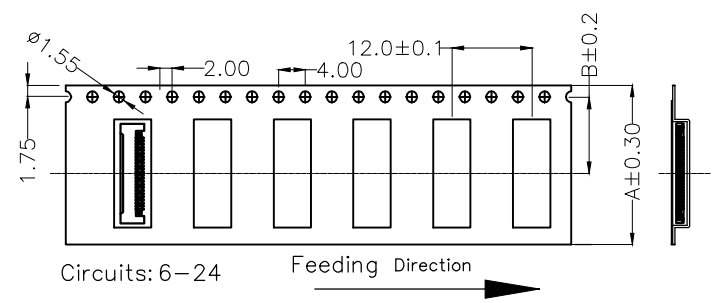
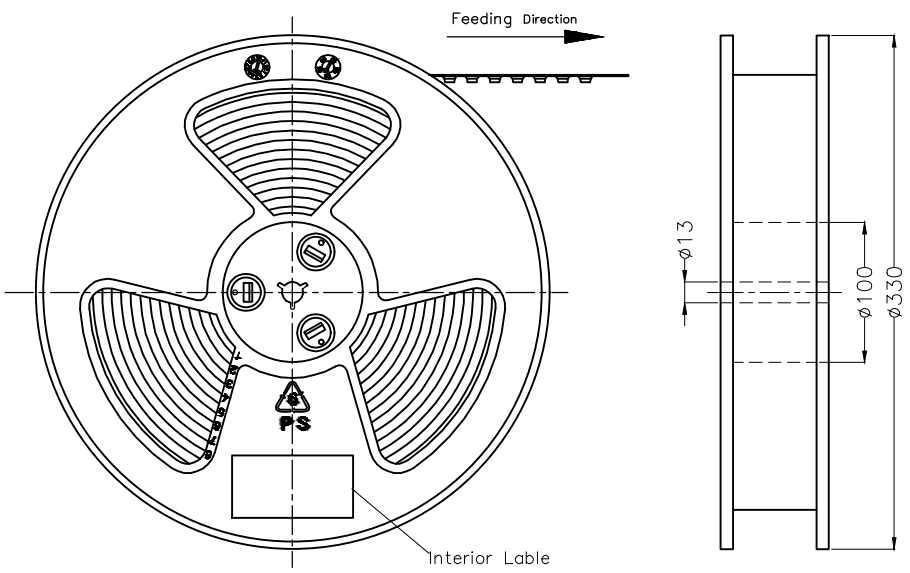
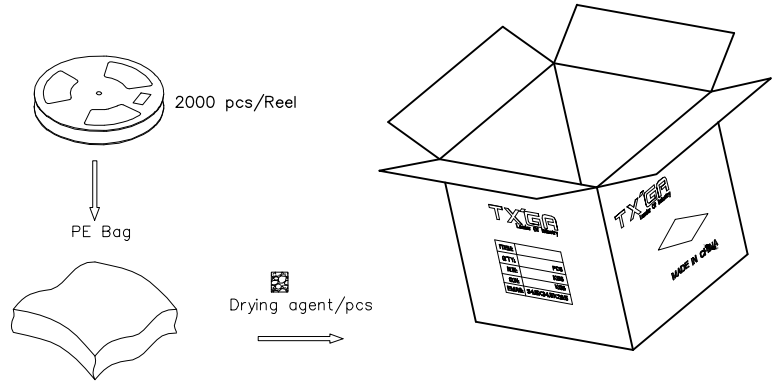
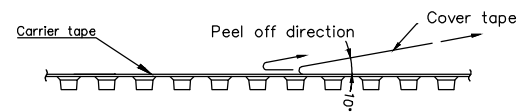
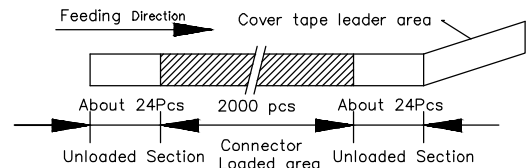
General tolerances: ±0.05

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 20/Jul/24	PART NO. FFC05050-XXSBD113NAM	ITEM NO. FFC05050	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE FPC/FFC Connector 0.50mm Double Contact SMT			
DESIGN UNITS METRIC		X.X ±0.20	X.X* ±2°	GISELLE	20/Jul/24			REV 0	
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	DRAWN BY NICK	DATE 20/Jul/24	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°						

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- 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: 2000 pcs

Circuits (n)	Dimensions(mm)		
	A	B	C
6~10	16.0	7.5	—
11~24	24.0	11.5	—
25~30	32.0	14.25	28.50
31~32	44.0	20.25	40.50



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		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE				
DESIGN UNITS METRIC		XX ±0.20	XX* ±2°	GISELLE	20/Jul/24	FPC/FFC Connector 0.50mm Double Contact SMT		REV 0		
								SHEET NO. 2/2		
SCALE 5:1	SIZE A4	XX ±0.15	XX* ±1°	DRAWN BY NICK	DATE 20/Jul/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		XXX ±0.10	XXX* ±0.5°							