

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		MOQ: Change 1,000 into 1,500 pcs/reel	14/JUL/17	KATE	FRANK

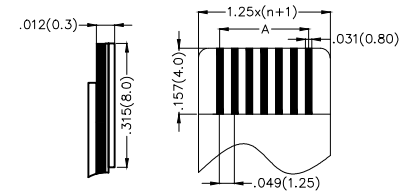
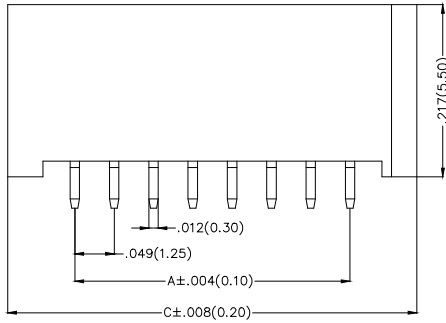
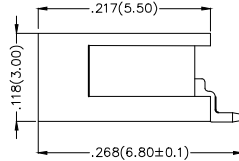
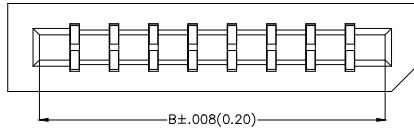
SPECIFICATIONS

Electrical

Current Rating: 1.0A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 20 mΩ Max
 Insulation Resistance: 800 MΩ MIN
 Withstanding Voltage: 500V AC r.m.s
 Operating Temperature: -40°C ~ +85°C

Material and Plating

Housing: PA6T UL94V-0
 Contact: Phosphor Bronze/Tin Plated

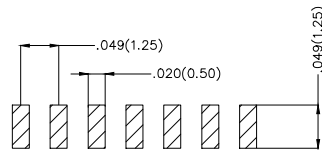


Applicable FFC
Recommended Dimension

Ordering Information

FFC 125 10 — XX S B D 2 2 4 K6 M
 1 2 3 4 5 6 7 8 9 10 11 12

1	Category FFC-FPC	2	Series Number 125-Pitch1.25mm	3	Distinction No. 10	4	Circuits XX	5	Assemble Layout S-SMT	6	Entry Angle B-90° Angle
7	Contact Type D-Double Contact	8	ZIF 2-NOT ZIF	9	Plating 2-Tin Plated	10	Material-Resin 4-PA6T	11	Color-Resin K6-Black	12	Packaging M-Reel



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC12510-XXSBD224K6M	ITEM NO. FFC12510	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.25mm Double Contact SMT			
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY KEVIN	DATE 18/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 1	SHEET NO. 1/3
SCALE 5:1	SIZE A4	X.XX±.006(0.15)						
		X.XXX±.004(0.10)						

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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	MOQ: Change 1,000 into 1,500 pcs/reel	14/JUL/17	KATE	FRANK

A

A

B

B

C

C

D

D



E

E

F

F

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC12510-04SBD224K6M	.148(3.75)	.246(6.25)	.335(8.50)	17	FFC12510-17SBD224K6M	.787(20.00)	.886(22.50)	.942(24.75)
5	FFC12510-05SBD224K6M	.197(5.00)	.295(7.50)	.384(9.75)	18	FFC12510-18SBD224K6M	.837(21.25)	.935(23.75)	1.024(26.00)
6	FFC12510-06SBD224K6M	.246(6.25)	.344(8.75)	.433(11.00)	19	FFC12510-19SBD224K6M	.886(22.50)	.984(25.00)	1.073(27.25)
7	FFC12510-07SBD224K6M	.295(7.50)	.394(10.00)	.482(12.25)	20	FFC12510-20SBD224K6M	.935(23.75)	1.033(26.25)	1.122(28.50)
8	FFC12510-08SBD224K6M	.344(8.75)	.443(11.25)	.531(13.50)	21	FFC12510-21SBD224K6M	.984(25.00)	1.083(27.50)	1.171(29.75)
9	FFC12510-09SBD224K6M	.394(10.00)	.492(12.50)	.581(14.75)	22	FFC12510-22SBD224K6M	1.033(26.25)	1.132(28.75)	1.220(31.00)
10	FFC12510-10SBD224K6M	.443(11.25)	.541(13.75)	.630(16.00)	23	FFC12510-23SBD224K6M	1.083(27.50)	1.182(30.00)	1.270(32.25)
11	FFC12510-11SBD224K6M	.492(12.50)	.591(15.00)	.679(17.25)	24	FFC12510-24SBD224K6M	1.132(28.75)	1.230(31.25)	1.318(33.50)
12	FFC12510-12SBD224K6M	.541(13.75)	.638(16.25)	.728(18.50)	25	FFC12510-25SBD224K6M	1.182(30.00)	1.280(32.50)	1.368(34.75)
13	FFC12510-13SBD224K6M	.591(15.00)	.689(17.50)	.788(19.75)	26	FFC12510-26SBD224K6M	1.230(31.25)	1.329(33.75)	1.417(36.00)
14	FFC12510-14SBD224K6M	.638(16.25)	.738(18.75)	.828(21.00)	27	FFC12510-27SBD224K6M	1.280(32.50)	1.377(35.00)	1.467(37.25)
15	FFC12510-15SBD224K6M	.689(17.50)	.787(20.00)	.876(22.25)	28	FFC12510-28SBD224K6M	1.329(33.75)	1.427(36.25)	1.516(38.50)
16	FFC12510-16SBD224K6M	.738(18.75)	.837(21.25)	.925(23.50)	30	FFC12510-30SBD224K6M	1.427(36.25)	1.526(38.75)	1.614(41.00)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X'.±5'	FRANK	18/JUN/13	FFC12510-XXSBD224K6M	FFC12510	
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X'.±2'	CHECKED BY	DATE	TITLE	
	SCALE	X.XX±.006(0.15)	.XX'±1'	CHERRY	18/JUN/13	FPC/FFC Connector 1.25mm Double Contact SMT	
5:1	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	REV 1	SHEET NO. 2/3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
SIZE A4			KEVIN	18/JUN/13			

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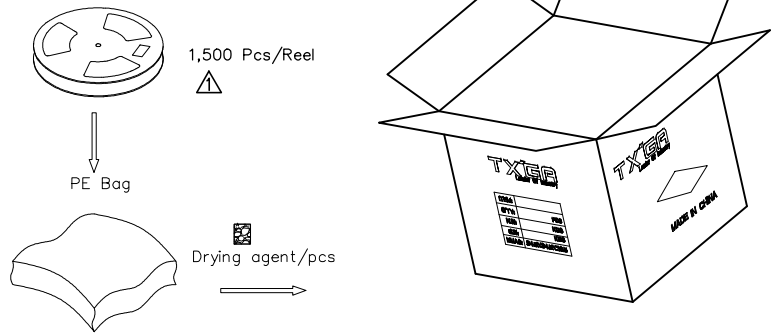
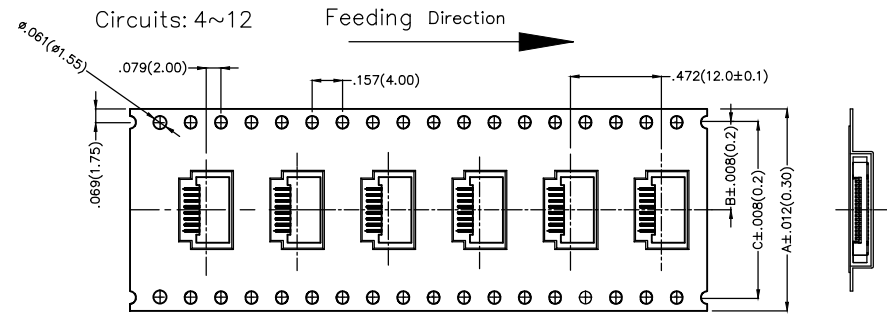
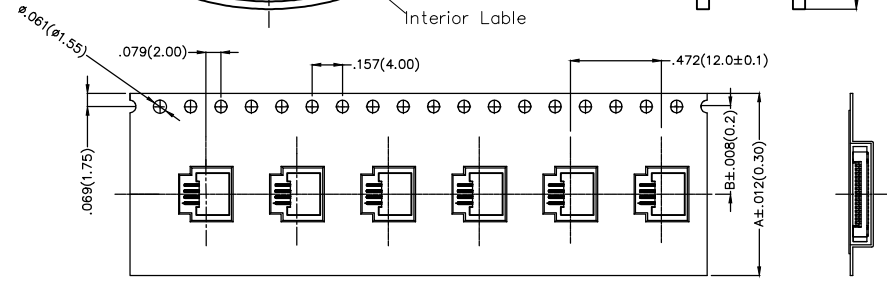
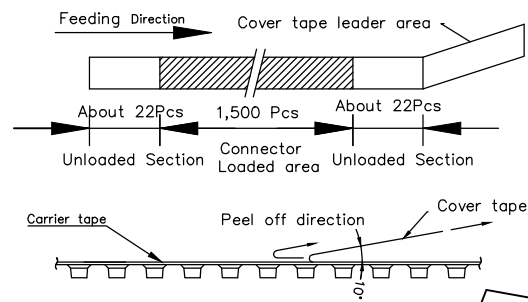
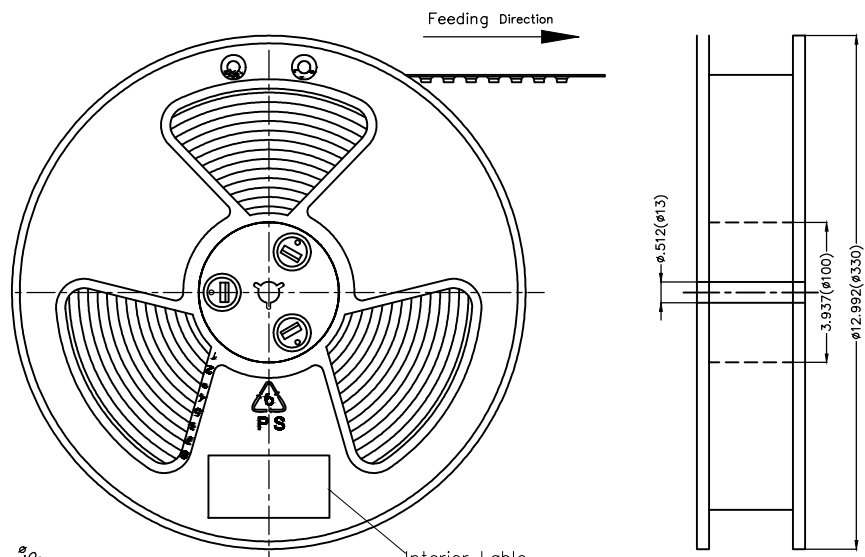
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	MOQ: Change 1,000 into 1,500 pcs/reel	14/JUL/17	KATE	FRANK

Note:

- 10 sprocket hole cumulative tolerance ±0.2
- Carrier camber is within 1.0mm in 250mm
- Material: White 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: 1,500 pcs



Circuits (n)	Dimensions(in/mm)		
	A	B	c
4	.630(16.0)	.295(7.50)	—
5~12	.945(24.0)	.453(11.5)	—
13~16	1.260(32.0)	.561(14.25)	1.033(28.50)
17~28	1.732(44.0)	.797(20.25)	1.594(40.50)
30	2.240(56.0)	1.033(26.25)	2.067(52.50)



 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Leader Of Industry	
	X.±.012(0.30)	X.'±5'	FRANK	18/JUN/13	FFC12510-XXSBD224K6M	FFC12510		
	DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.'±2'	CHECKED BY	DATE	TITLE		REV 1 SHEET NO. 3/3
	SCALE	X.XX±.006(0.15)	.XX'±1'	JACOB	18/JUN/13	FPC/FFC Connector 1.25mm Double Contact SMT		
SIZE	X.XXX±.004(0.10)	.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			CHERRY	18/JUN/13				

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