

REV	LOCATIONS	DESCRIPTION	DATE	REVISOR	APPD
1	△	Changed the structure of 4-6 circuits	29/SEP/21	KATE	CHERRY
2	△	MPQ: Change 1,000 pcs into 900 pcs	24/FEB/22	KATE	CHERRY

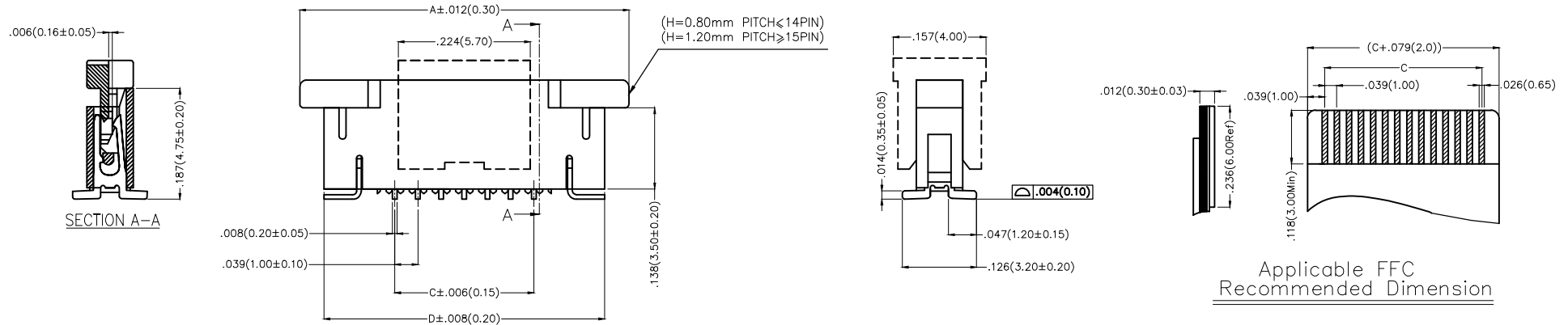
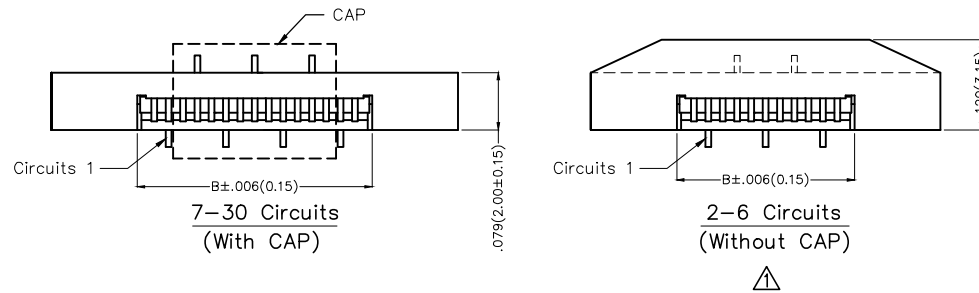
SPECIFICATIONS

Electrical

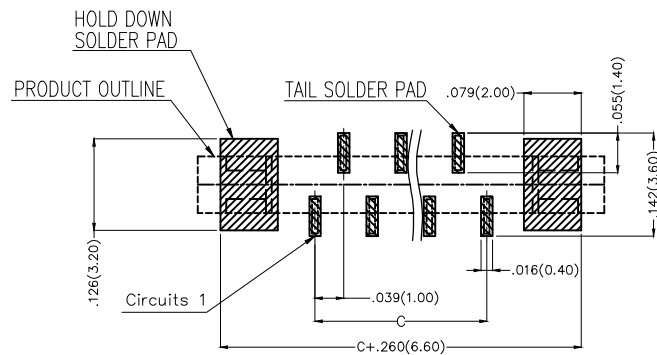
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 30 mΩ Max
Insulation Resistance: 100 MΩ MIN
Withstanding Voltage: 250V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material

Housing: PA46 UL94V-0
Actuator: High Temperature Thermoplastic UL94V-0
Contact: Copper Alloy/Tin Plated



Applicable FFC
Recommended Dimension



A-Positive Needle
Recommended P.C.Board Layout
Tolerances: ±0.02(0.05)

Ordering Information

FFC 100 46 — XX S S A 1 2 6 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

1 Category FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 46	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle S-180° Vertical
7 Contact Position A-Positive Needle	8 ZIF 1-ZIF	9 Plating 2-Tin Plated	10 Material-Resin 6-PA46	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/JUL/13	PART NO. FFC10046-XXSSA126W5M	ITEM NO. FFC10046	 Leader Of Industry	
		X±.012(0.30)	X'±5"	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2"	CHERRY	5/JUL/13	FPC/FFC Connector 1.00mm Positive Needle SMT		REV 2	SHEET NO. 1/5
		X.XX±.006(0.15)	.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±.004(0.10)	.XXX'±0.5"	JACOB	5/JUL/13				

A

B

C

D

E

F

A

B

C

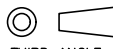
D

E

F

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in./mm)			
		A	B	C	D
2	FFC10046-02SSA126W5M	.362(9.20)	.126(3.20)	.039(1.00)	.280(7.10)
4	FFC10046-04SSA126W5M	.441(11.20)	.205(5.20)	.118(3.00)	.358(9.10)
5	FFC10046-05SSA126W5M	.480(12.20)	.244(6.20)	.157(4.00)	.398(10.10)
6	FFC10046-06SSA126W5M	.520(13.20)	.283(7.20)	.197(5.00)	.437(11.10)
7	FFC10046-07SSA126W5M	.559(14.20)	.323(8.20)	.236(6.00)	.476(12.10)
8	FFC10046-08SSA126W5M	.598(15.20)	.362(9.20)	.276(7.00)	.516(13.10)
9	FFC10046-09SSA126W5M	.638(16.20)	.402(10.20)	.315(8.00)	.555(14.10)
10	FFC10046-10SSA126W5M	.677(17.20)	.441(11.20)	.354(9.00)	.594(15.10)
11	FFC10046-11SSA126W5M	.717(18.20)	.480(12.20)	.394(10.00)	.634(16.10)
12	FFC10046-12SSA126W5M	.756(19.20)	.520(13.20)	.433(11.00)	.673(17.10)
13	FFC10046-13SSA126W5M	.795(20.20)	.559(14.20)	.472(12.00)	.713(18.10)
14	FFC10046-14SSA126W5M	.835(21.20)	.598(15.20)	.512(13.00)	.752(19.10)
15	FFC10046-15SSA126W5M	.874(22.20)	.638(16.20)	.551(14.00)	.791(20.10)
16	FFC10046-16SSA126W5M	.913(23.20)	.677(17.20)	.591(15.00)	.831(21.10)
17	FFC10046-17SSA126W5M	.953(24.20)	.717(18.20)	.630(16.00)	.870(22.10)
18	FFC10046-18SSA126W5M	.992(25.20)	.756(19.20)	.669(17.00)	.909(23.10)
19	FFC10046-19SSA126W5M	1.031(26.20)	.795(20.20)	.709(18.00)	.949(24.10)
20	FFC10046-20SSA126W5M	1.071(27.20)	.835(21.20)	.748(19.00)	.988(25.10)
21	FFC10046-21SSA126W5M	1.110(28.20)	.874(22.20)	.787(20.00)	1.028(26.10)
22	FFC10046-22SSA126W5M	1.150(29.20)	.913(23.20)	.827(21.00)	1.067(27.10)
24	FFC10046-24SSA126W5M	1.228(31.20)	.992(25.20)	.906(23.00)	1.146(29.10)
25	FFC10046-25SSA126W5M	1.268(32.20)	1.031(26.20)	.945(24.00)	1.185(30.10)
26	FFC10046-26SSA126W5M	1.307(33.20)	1.071(27.20)	.984(25.00)	1.224(31.10)
27	FFC10046-27SSA126W5M	1.346(34.20)	1.110(28.20)	1.024(26.00)	1.264(32.10)
28	FFC10046-28SSA126W5M	1.386(35.20)	1.150(29.20)	1.063(27.00)	1.303(33.10)
29	FFC10046-29SSA126W5M	1.425(36.20)	1.189(30.20)	1.102(28.00)	1.343(34.10)
30	FFC10046-30SSA126W5M	1.465(37.20)	1.228(31.20)	1.142(29.00)	1.382(35.10)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/JUL/13	PART NO. FFC10046-XXSSA126W5M	ITEM NO. FFC10046	 Leader Of Industry			
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE FPC/FFC Connector 1.00mm Positive Needle SMT					
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	CHERRY	5/JUL/13					REV 2	
		X.XX±.006(0.15)	.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±.004(0.10)	.XXX'±0.5°	JACOB	5/JUL/13						

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Changed the structure of 4-6 circuits	29/SEP/21	KATE	CHERRY
2	△	MPQ: Change 1,000 pcs into 900 pcs	24/FEB/22	KATE	CHERRY

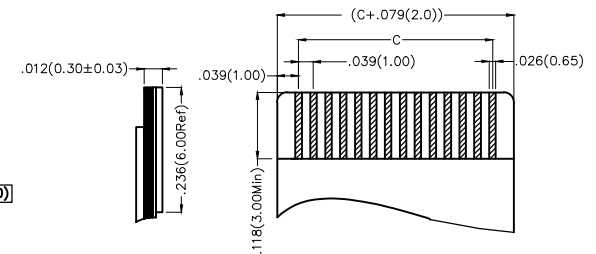
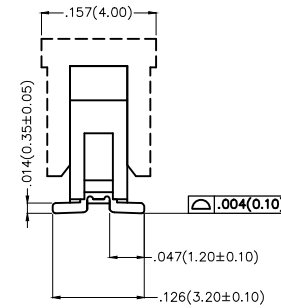
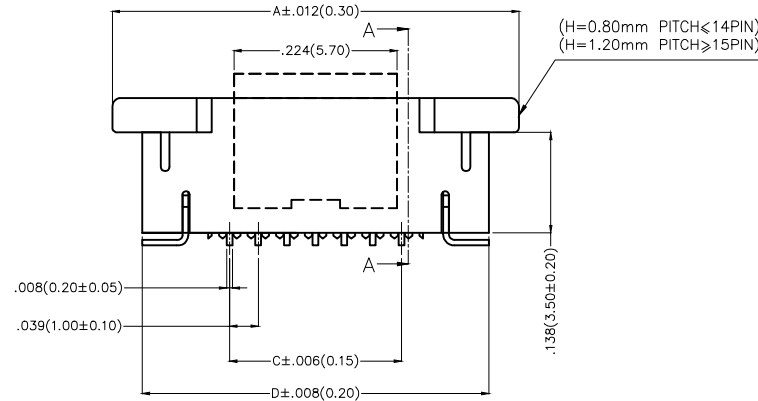
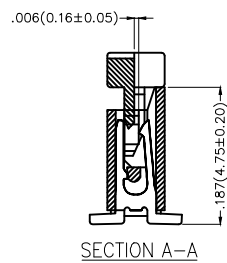
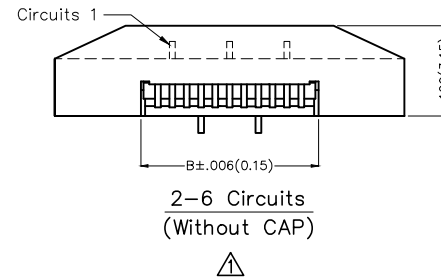
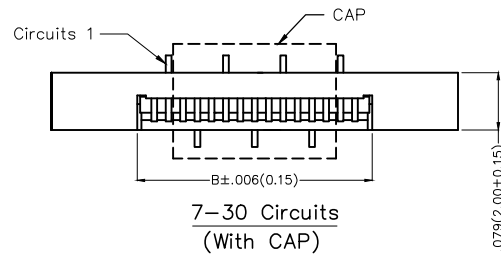
SPECIFICATIONS

Electrical

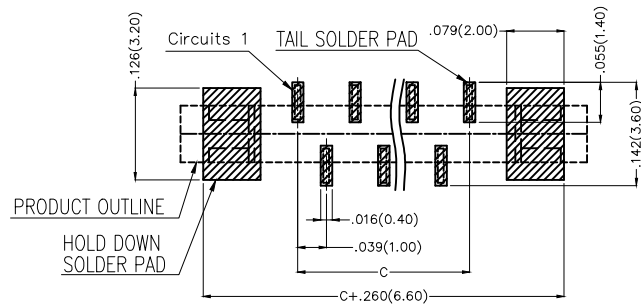
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 30 mΩ Max
Insulation Resistance: 100 MΩ MIN
Withstanding Voltage: 250V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material

Housing: PA46 UL94V-0
Actuator: High Temperature Thermoplastic UL94V-0
Contact: Copper Alloy/Tin Plated



Applicable FFC
Recommended Dimension



B-Versa Needle
Recommended P.C.Board Layout
Tolerances: ±0.02(0.05)

Ordering Information

FFC 100 46 — XX S S B 1 2 6 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

1 Category FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 46	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle S-180° Vertical
7 Contact Position B-Versa Needle	8 ZIF 1-ZIF	9 Plating 2-Tin Plated	10 Material-Resin 6-PA46	11 Color-Resin W5-Housing: Natural, Actuator: Black	12 Packaging M-Reel

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/JUL/13	PART NO. FFC10046--XXSSB126W5M	ITEM NO. FFC10046	 Leader Of Industry	
		X.±.012(0.30)	X.'±5'	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2"	CHERRY	5/JUL/13	FPC/FFC Connector 1.00mm Versa Needle SMT		REV 2	SHEET NO. 3/5
		X.XX±.006(0.15)	.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±.004(0.10)	.XXX'±0.5"	JACOB	5/JUL/13				

A

B

C

D

E

F

A

B

C

D

E

F

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in./mm)			
		A	B	C	D
2	FFC10046-02SSB126W5M	.362(9.20)	.126(3.20)	.039(1.00)	.280(7.10)
4	FFC10046-04SSB126W5M	.441(11.20)	.205(5.20)	.118(3.00)	.358(9.10)
5	FFC10046-05SSB126W5M	.480(12.20)	.244(6.20)	.157(4.00)	.398(10.10)
6	FFC10046-06SSB126W5M	.520(13.20)	.283(7.20)	.197(5.00)	.437(11.10)
7	FFC10046-07SSB126W5M	.559(14.20)	.323(8.20)	.236(6.00)	.476(12.10)
8	FFC10046-08SSB126W5M	.598(15.20)	.362(9.20)	.276(7.00)	.516(13.10)
9	FFC10046-09SSB126W5M	.638(16.20)	.402(10.20)	.315(8.00)	.555(14.10)
10	FFC10046-10SSB126W5M	.677(17.20)	.441(11.20)	.354(9.00)	.594(15.10)
11	FFC10046-11SSB126W5M	.717(18.20)	.480(12.20)	.394(10.00)	.634(16.10)
12	FFC10046-12SSB126W5M	.756(19.20)	.520(13.20)	.433(11.00)	.673(17.10)
13	FFC10046-13SSB126W5M	.795(20.20)	.559(14.20)	.472(12.00)	.713(18.10)
14	FFC10046-14SSB126W5M	.835(21.20)	.598(15.20)	.512(13.00)	.752(19.10)
15	FFC10046-15SSB126W5M	.874(22.20)	.638(16.20)	.551(14.00)	.791(20.10)
16	FFC10046-16SSB126W5M	.913(23.20)	.677(17.20)	.591(15.00)	.831(21.10)
17	FFC10046-17SSB126W5M	.953(24.20)	.717(18.20)	.630(16.00)	.870(22.10)
18	FFC10046-18SSB126W5M	.992(25.20)	.756(19.20)	.669(17.00)	.909(23.10)
19	FFC10046-19SSB126W5M	1.031(26.20)	.795(20.20)	.709(18.00)	.949(24.10)
20	FFC10046-20SSB126W5M	1.071(27.20)	.835(21.20)	.748(19.00)	.988(25.10)
21	FFC10046-21SSB126W5M	1.110(28.20)	.874(22.20)	.787(20.00)	1.028(26.10)
22	FFC10046-22SSB126W5M	1.150(29.20)	.913(23.20)	.827(21.00)	1.067(27.10)
24	FFC10046-24SSB126W5M	1.228(31.20)	.992(25.20)	.906(23.00)	1.146(29.10)
25	FFC10046-25SSB126W5M	1.268(32.20)	1.031(26.20)	.945(24.00)	1.185(30.10)
26	FFC10046-26SSB126W5M	1.307(33.20)	1.071(27.20)	.984(25.00)	1.224(31.10)
27	FFC10046-27SSB126W5M	1.346(34.20)	1.110(28.20)	1.024(26.00)	1.264(32.10)
28	FFC10046-28SSB126W5M	1.386(35.20)	1.150(29.20)	1.063(27.00)	1.303(33.10)
29	FFC10046-29SSB126W5M	1.425(36.20)	1.189(30.20)	1.102(28.00)	1.343(34.10)
30	FFC10046-30SSB126W5M	1.465(37.20)	1.228(31.20)	1.142(29.00)	1.382(35.10)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/JUL/13	PART NO. FFC10046-XXSSB126W5M	ITEM NO. FFC10046	 Leader Of Industry		
		X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 5/JUL/13	TITLE FPC/FFC Connector 1.00mm Versa Needle SMT				
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	DRAWN BY JACOB	DATE 5/JUL/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 2	SHEET NO. 4/5
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1°		X.XXX±.004(0.10)				.XXX'±0.5°	

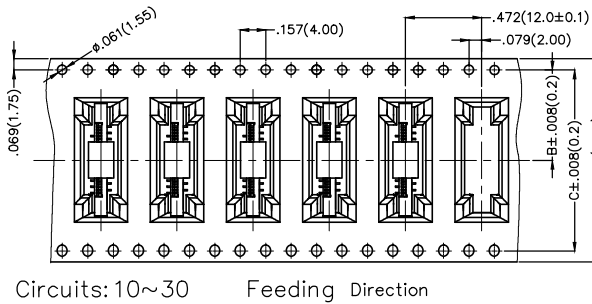
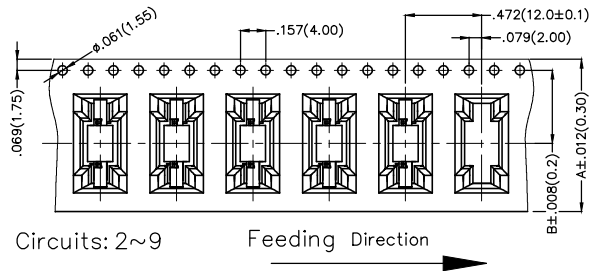
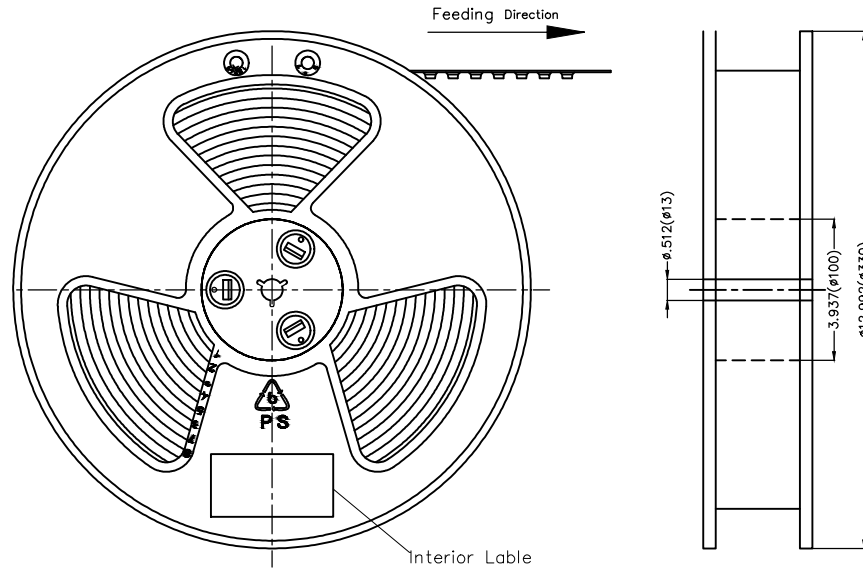
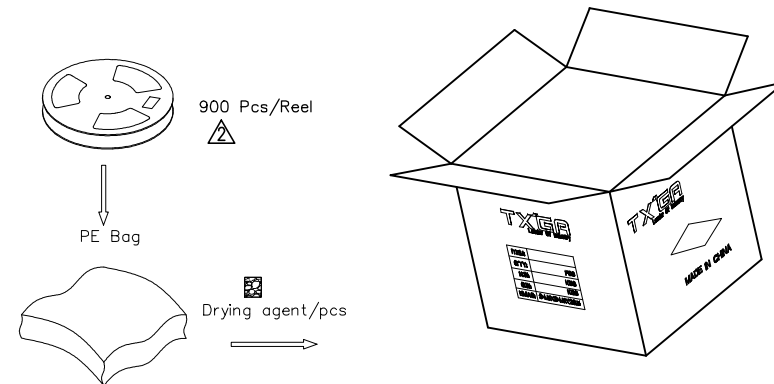
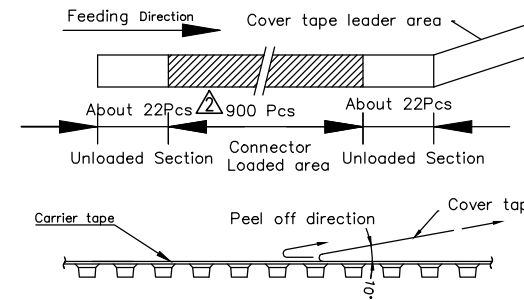
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Note:

1. 10 sprocket hole cumulative tolerance ± 0.2
2. Carrier camber is within 1.0mm in 250mm
3. Material: Transparent Conductive polystyrene Alloy 100% recyclable
4. All dimensions meet EIA-481-3 requirements
5. Peel off force of cover tape & carrier tape: 10g~130g (0.1N~1.3N)
6. Component load per 13" reel: 900 pcs



Circuits (n)	Dimensions(in/mm)		
	A	B	C
2~9	.945(24.0)	.453(11.5)	—
10~13	1.260(32.0)	.561(14.25)	1.033(28.50)
14~25	1.732(44.0)	.797(20.25)	1.594(40.50)
26~30	2.240(56.0)	1.033(26.25)	2.067(52.50)



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10046-XXSSX126W5M	ITEM NO. FFC10046	 Leader Of Industry		
		X.±.012(0.30)	X.±5°	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC Connector 1.00mm SMT				
DESIGN UNITS Inch (metric)		X.XX±.006(0.15)	.XX±1°	DRAWN BY CHERRY	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 2	SHEET NO. 5/5
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°							