

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

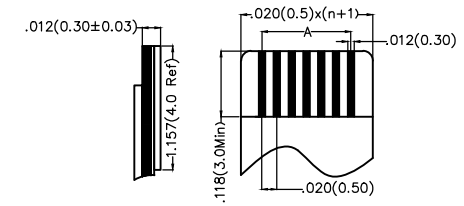
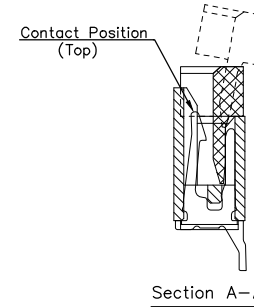
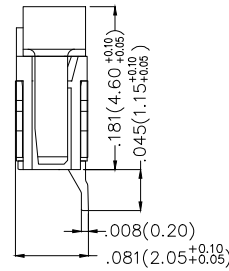
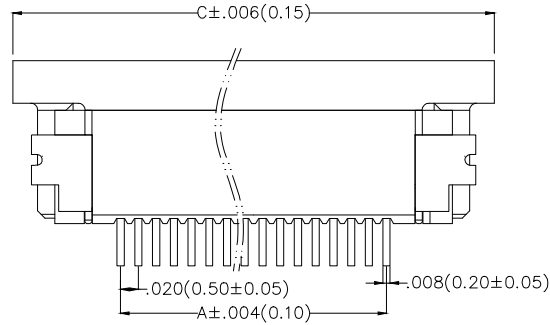
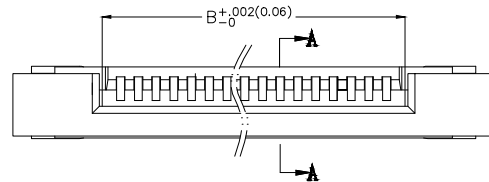
SPECIFICATIONS

Electrical

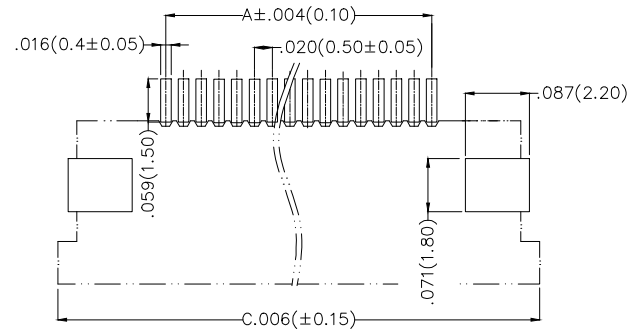
Current Rating:0.5A AC(rms)/DC
Voltage Rating:50V AC(rms)/DC
Contact Resistance:20 mΩ Max
Insulation Resistance:500 MΩ Min
Withstanding Voltage:200V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material and Plating

Housing: Thermoplastic UL 94V-0
Actuator: Thermoplastic UL 94V-0
Contact:Phosphor Bronze/ Tin Plated
Stopper:Phosphor Bronze/ Tin Plated



Applicable FFC
Recommended Dimension



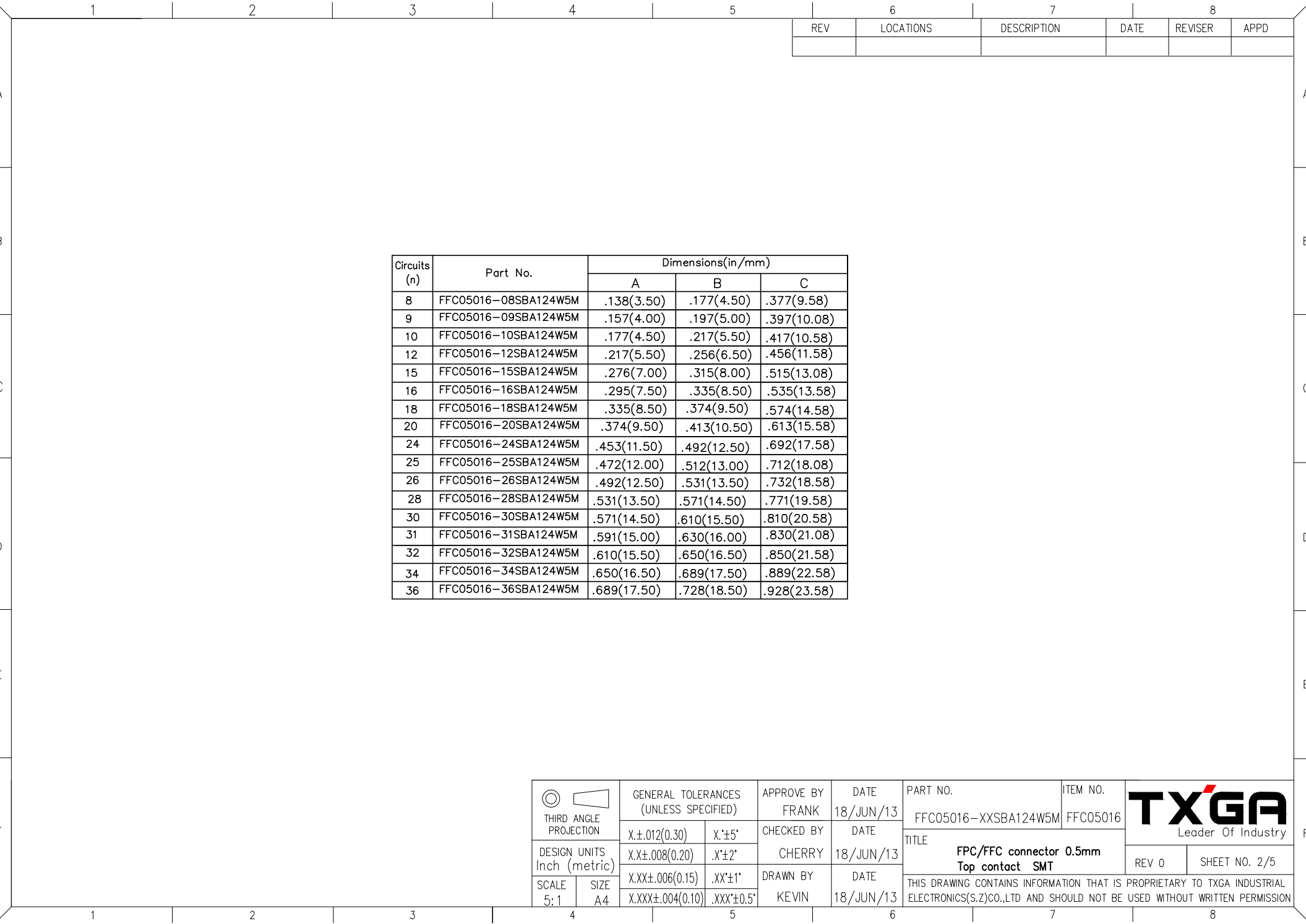
Recommended P.C.Board Layout
General tolerances: ±0.05mm

Ordering Information

FFC 050 16 — XX S B A 1 2 4 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

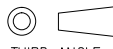
1	Category FFC-FPC	2	Series Number 050-Pitch0.50mm	3	Distinction No. 16	4	Circuits XX	5	Assemble Layout S-SMT	6	Entry Angle B- 90° Angle
7	Contact Position A-Top	8	ZIF 1-ZIF	9	Plating 2-Tin Plated	10	Material-Resin 4-PA6T	11	Color-Resin W5-Housing: Natural, Actuator: Black	12	Packaging M-Reel

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05016-XXSBA124W5M	ITEM NO. FFC05016	 Leader Of Industry	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE FPC/FFC connector 0.5mm Top contact SMT			
		X.X±.008(0.20)	.X'±2°	CHERRY	18/JUN/13				
		SCALE 5:1	SIZE A4	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	
		X.XXX±.004(0.10)	.XXX'±0.5°	KEVIN	18/JUN/13				



REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C
8	FFC05016-08SBA124W5M	.138(3.50)	.177(4.50)	.377(9.58)
9	FFC05016-09SBA124W5M	.157(4.00)	.197(5.00)	.397(10.08)
10	FFC05016-10SBA124W5M	.177(4.50)	.217(5.50)	.417(10.58)
12	FFC05016-12SBA124W5M	.217(5.50)	.256(6.50)	.456(11.58)
15	FFC05016-15SBA124W5M	.276(7.00)	.315(8.00)	.515(13.08)
16	FFC05016-16SBA124W5M	.295(7.50)	.335(8.50)	.535(13.58)
18	FFC05016-18SBA124W5M	.335(8.50)	.374(9.50)	.574(14.58)
20	FFC05016-20SBA124W5M	.374(9.50)	.413(10.50)	.613(15.58)
24	FFC05016-24SBA124W5M	.453(11.50)	.492(12.50)	.692(17.58)
25	FFC05016-25SBA124W5M	.472(12.00)	.512(13.00)	.712(18.08)
26	FFC05016-26SBA124W5M	.492(12.50)	.531(13.50)	.732(18.58)
28	FFC05016-28SBA124W5M	.531(13.50)	.571(14.50)	.771(19.58)
30	FFC05016-30SBA124W5M	.571(14.50)	.610(15.50)	.810(20.58)
31	FFC05016-31SBA124W5M	.591(15.00)	.630(16.00)	.830(21.08)
32	FFC05016-32SBA124W5M	.610(15.50)	.650(16.50)	.850(21.58)
34	FFC05016-34SBA124W5M	.650(16.50)	.689(17.50)	.889(22.58)
36	FFC05016-36SBA124W5M	.689(17.50)	.728(18.50)	.928(23.58)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05016-XXSBA124W5M	ITEM NO. FFC05016	 Leader Of Industry	
				CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Top contact SMT			
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	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 0	SHEET NO. 2/5
		X.X±.008(0.20)	.X'±2°						
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

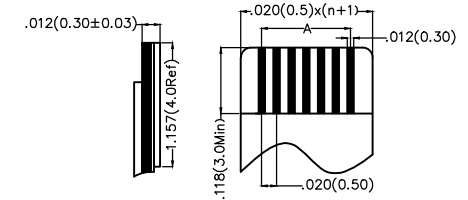
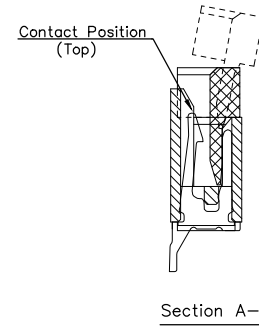
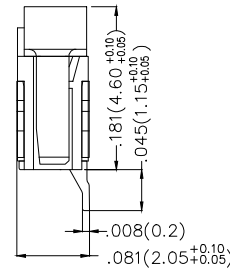
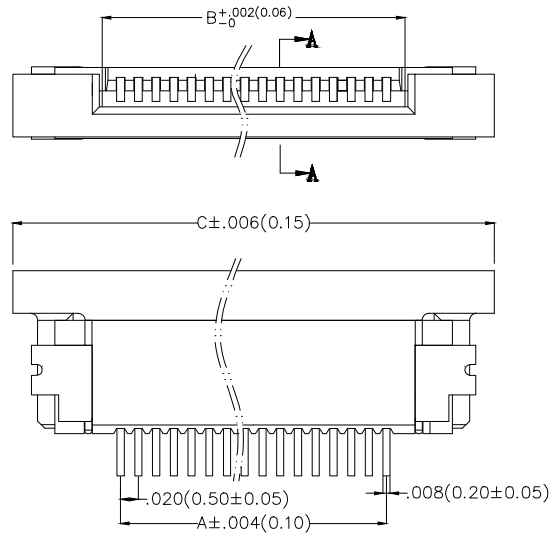
SPECIFICATIONS

Electrical

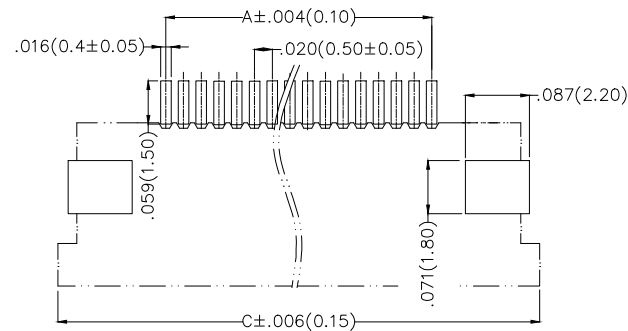
Current Rating:0.5A AC(rms)/DC
Voltage Rating:50V AC(rms)/DC
Contact Resistance:20 mΩ Max
Insulation Resistance:500 MΩ Min
Withstanding Voltage:200V AC r.m.s
Temperature Range-Operating: -25°C~+85°C

Material and Plating

Housing: Thermoplastic UL 94V-0
Actuator: Thermoplastic UL 94V-0
Contact:Phosphor Bronze/ Tin Plated
Stopper:Phosphor Bronze/ Tin Plated



Applicable FFC
Recommended Dimension



Recommended P.C.Board Layout
General tolerances: ±0.05mm

Ordering Information

FFC 050 16 — XX S B B 1 2 4 W5 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. 16	4	Circuits XX	5	Assemble Layout S-SMT	6	Entry Angle B- 90° Angle
7	Contact Position B-Bottom	8	ZIF 1-ZIF	9	Plating 2-Tin Plated	10	Material-Resin 4-PA6T	11	Color-Resin W5-Housing: Natural, Actuator: Black	12	Packaging M-Reel

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05016-XXSBB124W5M	ITEM NO. FFC05016	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Bottom contact SMT	
	SCALE 5:1	X.XX±.006(0.15)	.XX±1°	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	
	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°				
						REV 0	SHEET NO. 3/5

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C
8	FFC05016-08SBB124W5M	.138(3.50)	.177(4.50)	.377(9.58)
9	FFC05016-09SBB124W5M	.157(4.00)	.197(5.00)	.397(10.08)
10	FFC05016-10SBB124W5M	.177(4.50)	.217(5.50)	.417(10.58)
12	FFC05016-12SBB124W5M	.217(5.50)	.256(6.50)	.456(11.58)
15	FFC05016-15SBB124W5M	.276(7.00)	.315(8.00)	.515(13.08)
16	FFC05016-16SBB124W5M	.295(7.50)	.335(8.50)	.535(13.58)
18	FFC05016-18SBB124W5M	.335(8.50)	.374(9.50)	.574(14.58)
20	FFC05016-20SBB124W5M	.374(9.50)	.413(10.50)	.613(15.58)
24	FFC05016-24SBB124W5M	.453(11.50)	.492(12.50)	.692(17.58)
25	FFC05016-25SBB124W5M	.472(12.00)	.512(13.00)	.712(18.08)
26	FFC05016-26SBB124W5M	.492(12.50)	.531(13.50)	.732(18.58)
28	FFC05016-28SBB124W5M	.531(13.50)	.571(14.50)	.771(19.58)
30	FFC05016-30SBB124W5M	.571(14.50)	.610(15.50)	.810(20.58)
32	FFC05016-32SBB124W5M	.610(15.50)	.650(16.50)	.850(21.58)
34	FFC05016-34SBB124W5M	.650(16.50)	.689(17.50)	.889(22.58)
36	FFC05016-36SBB124W5M	.689(17.50)	.728(18.50)	.928(23.58)

THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)

SCALE
5:1

SIZE
A4

GENERAL TOLERANCES
(UNLESS SPECIFIED)

X.±.012(0.30)

X.±5°

X.X±.008(0.20)

X.±2°

X.XX±.006(0.15)

.XX±1°

X.XXX±.004(0.10)

.XXX±0.5°

APPROVE BY
FRANK

CHECKED BY
CHERRY

DRAWN BY
KEVIN

DATE
18/JUN/13

DATE
18/JUN/13

DATE
18/JUN/13

PART NO.
FFC05016-XXSBB124W5M

ITEM NO.
FFC05016

TITLE
FPC/FFC connector 0.5mm
Bottom contact SMT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL
ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TXGA

Leader Of Industry

REV 0

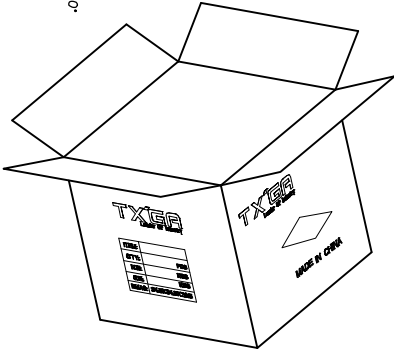
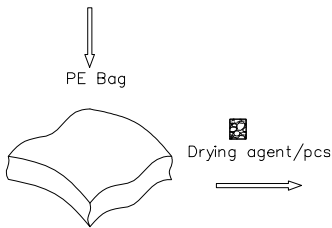
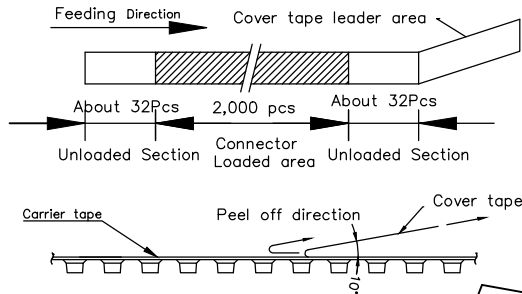
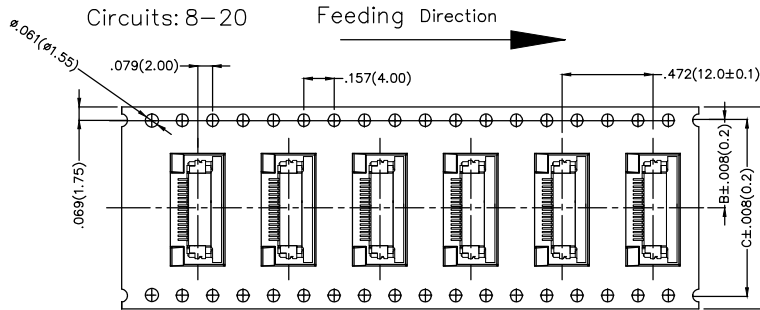
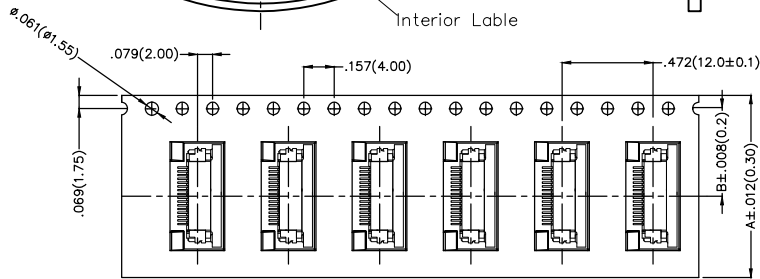
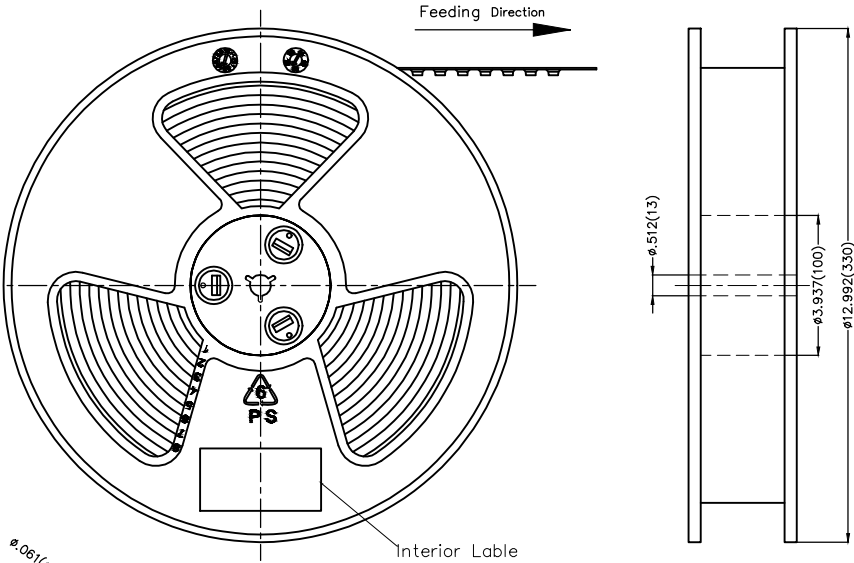
SHEET NO. 4/5

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: 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: 2,000 pcs

Circuits (n)	Dimensions(in/mm)		
	A	B	C
8~20	.945(24.0)	.453(11.5)	—
24~32	1.260(32.0)	.561(14.25)	1.033(28.50)
34~36	1.732(44.0)	.797(20.25)	1.594(40.50)



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05016-XXSBX124W5M	ITEM NO. FFC05016	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm SMT			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	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			
		X.XX±.006(0.15)	.XX'±1°						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°			REV 0 SHEET NO. 5/5			