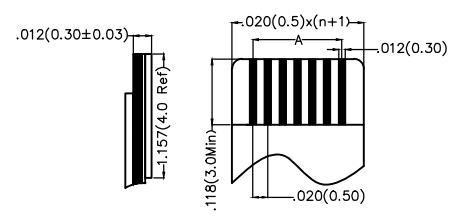
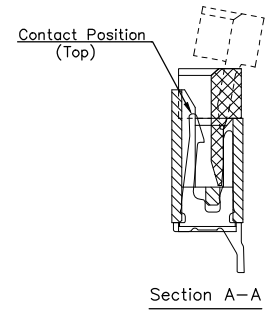
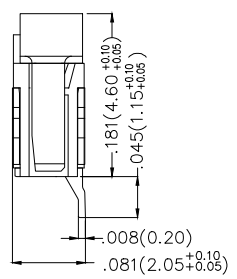
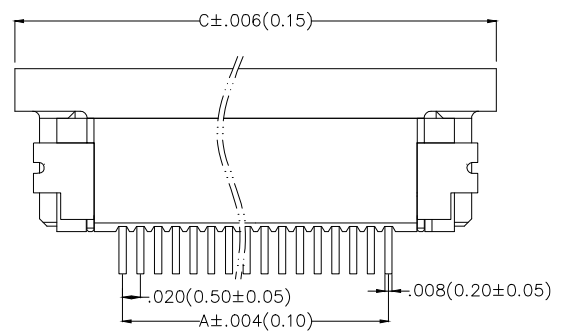
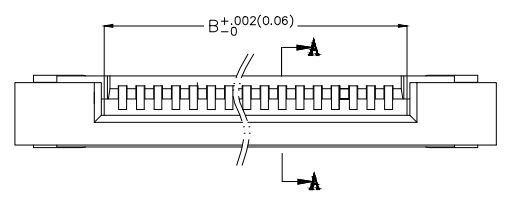


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

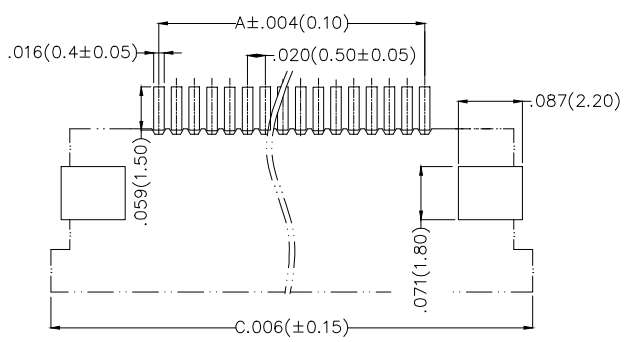
**SPECIFICATIONS**

**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-Pitch 0.50mm	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 CHERRY	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Top contact SMT	
SCALE 5:1	SIZE A4	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	
						REV 0	SHEET NO. 1/5

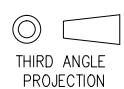

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

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	DATE	PART NO.	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	18/JUN/13	FFC05016-XXSBA124W5M	FFC05016	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX'±1'	CHERRY	18/JUN/13	FPC/FFC connector 0.5mm Top contact SMT	REV 0 SHEET NO. 2/5	
SCALE 5:1	SIZE A4	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	
			KEVIN	18/JUN/13			

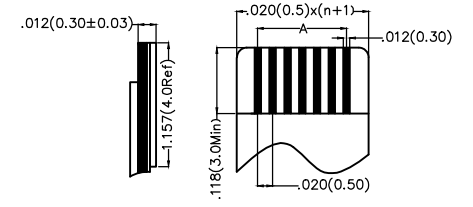
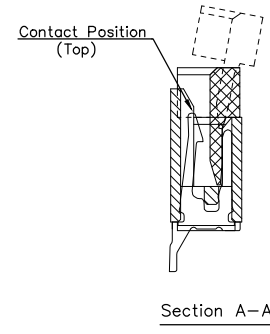
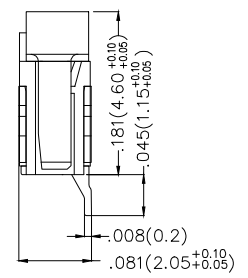
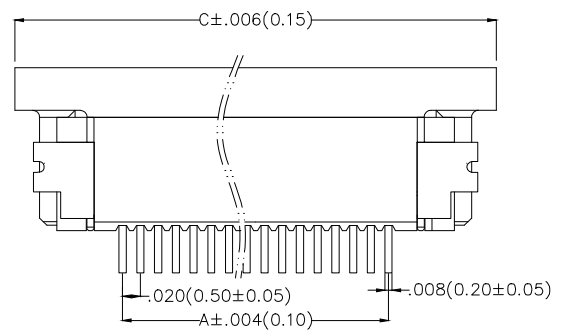
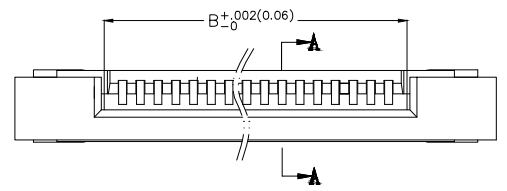
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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

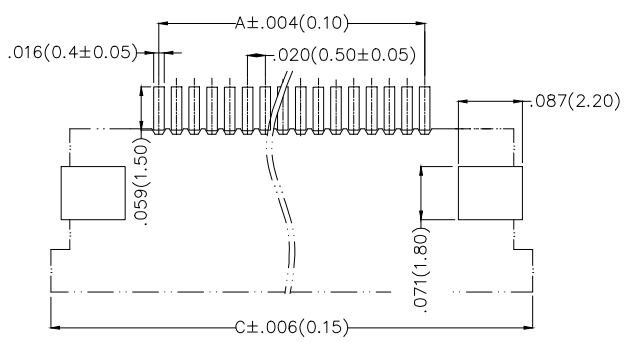
**SPECIFICATIONS**

**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	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Bottom contact SMT			REV 0
DESIGN UNITS Inch (metric)	X.XX±.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			
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)						

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

A

B

B

C

C

D

D



E

E

F

F

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)

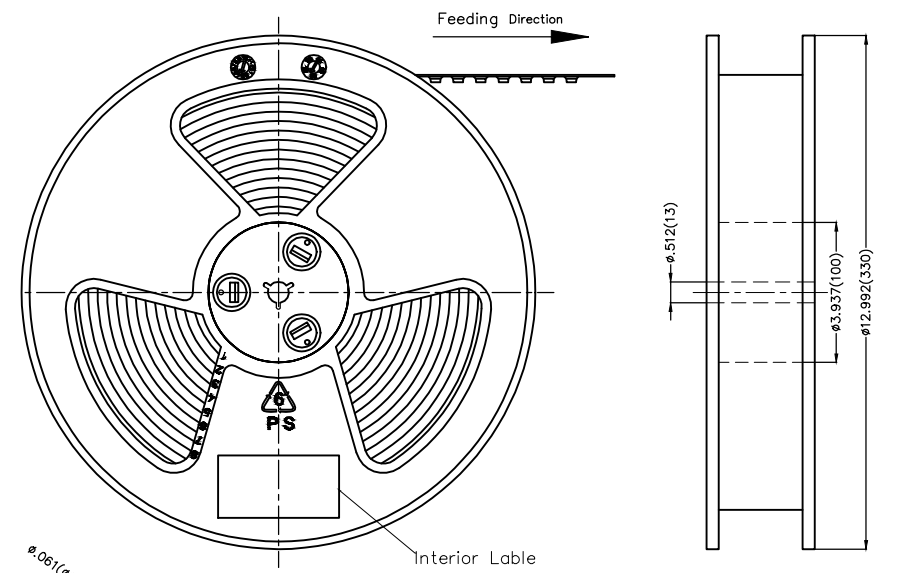
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05016-XXSBB124W5M	ITEM NO. FFC05016	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X.±5° .X±2° .XX±1° .XXX±0.5°	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE <b>FFC/FFC connector 0.5mm          Bottom contact SMT</b>		REV 0
SCALE 5:1	SIZE A4	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			

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1 2 3 4 5 6 7 8

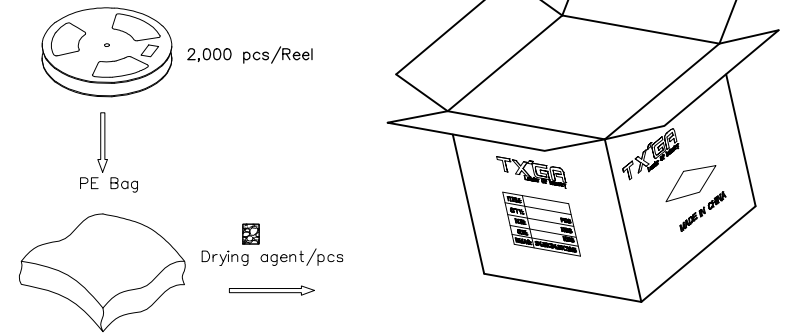
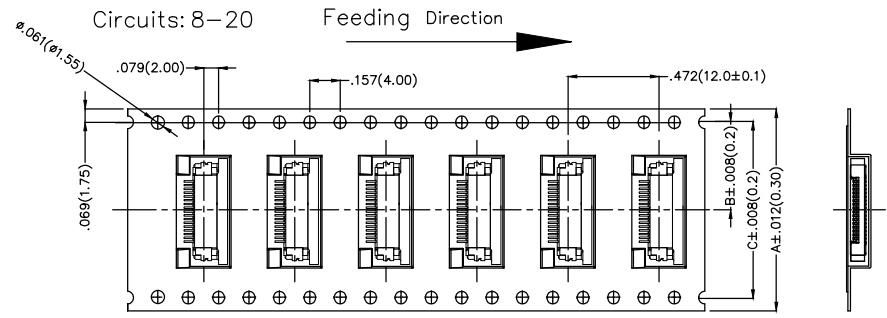
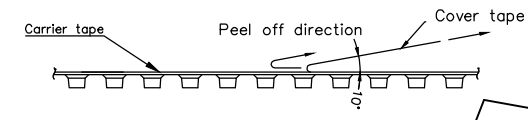
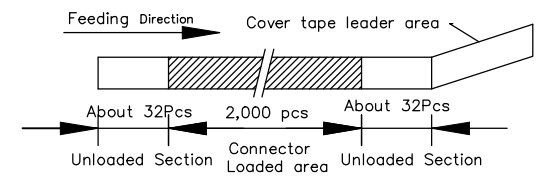
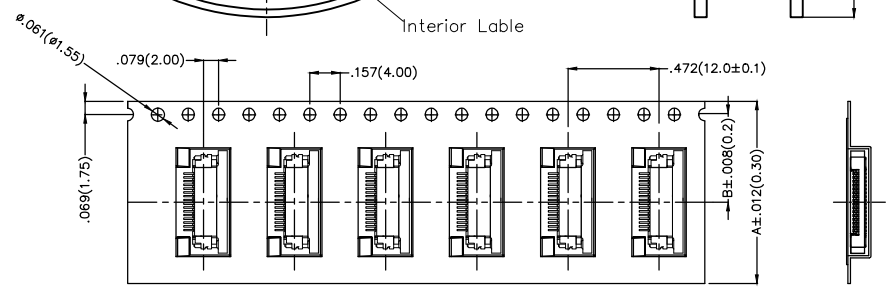
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A  
B  
C  
D  
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F



- Note:
- 10 sprocket hole cumulative tolerance  $\pm 0.2$
  - 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: 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)



Circuits: 8-20 Feeding Direction

Circuits: 24-36 Feeding Direction

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

1 2 3 4 5 6 7 8

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[AYF350725A](#) [62684-502100AHLF](#) [FH39-61S-0.3SHW\(99\)](#) [AYF414035A](#) [10064555-172520HLF](#) [AYF212335A](#) [504754-2500](#)