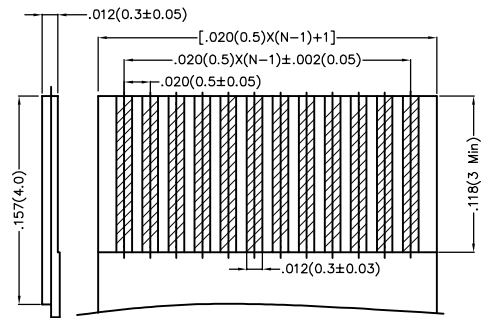
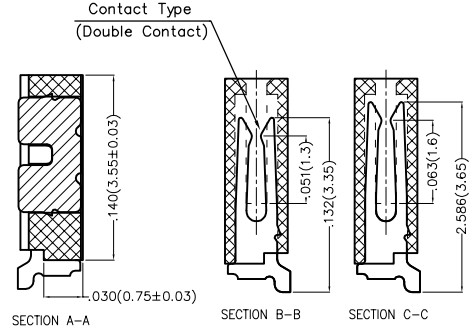
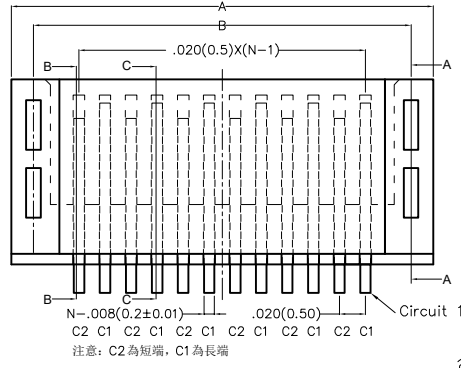
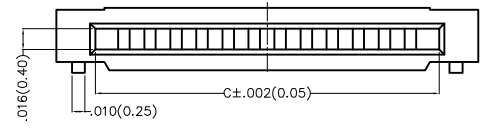


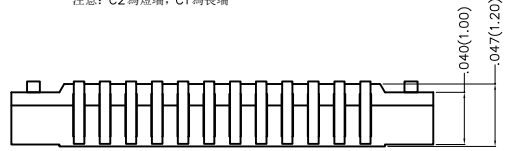
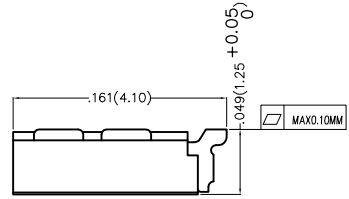
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Change the material of the Resin	17/OCT/23	MATT	LEO

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: -40°C~+85°C
 Material and Plating
 △ Housing: LCP (UL 94V-0)
 Contact: Phosphor Bronze/ Gold Plated/ Tin Plated



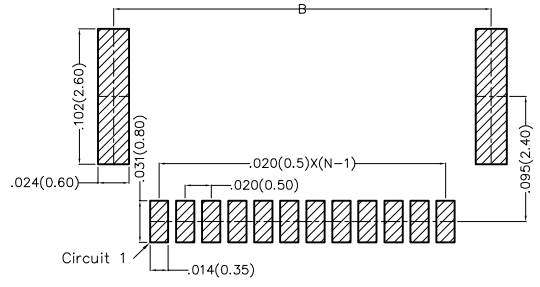
Applicable FFC
 Recommended Dimension



Ordering Information

FFC 050 18 — XX S B D 2 X 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. 18	4 Circuits XX	5 Assemble Layout S-SMT	6 Entry Angle B- 90° Angle
7 Contact Type D-Double Contact	8 ZIF 2-NON ZIF	9 Plating 1-Gold Plated 2-Tin Plated	10 Material-Resin 4-LCP △	11 Color-Resin W5-Natural	12 Packaging M-Reel



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.		
DESIGN UNITS Inch (metric)	X±.012(0.30)	X'±5'	APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05018-XXSBD2X4W5M	ITEM NO. FFC05018			
	X.X±.008(0.20)	.X'±2'						CHECKED BY JACOB	DATE 18/JUN/13
SCALE 1:1	SIZE A4	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 1	SHEET NO.1/3

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

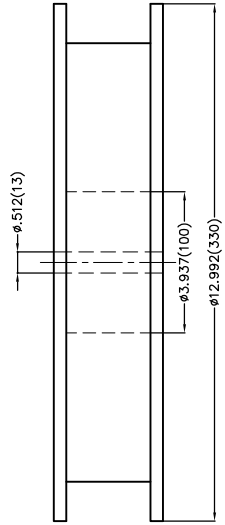
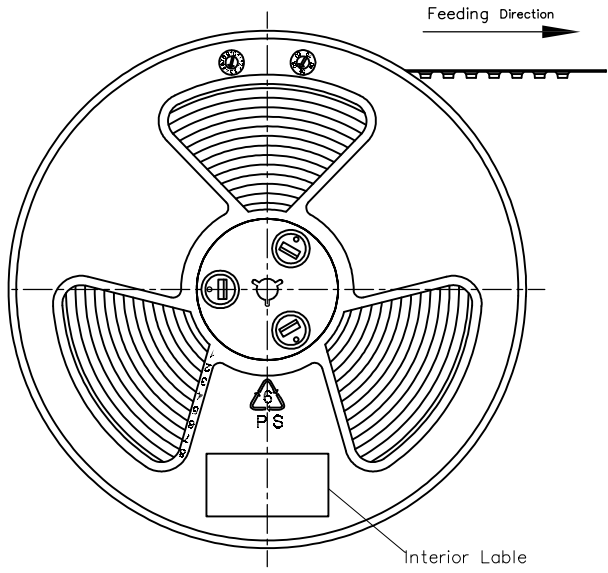
F

Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C
4	FFC05018-04SBD2X4W5M	.161(4.10)	.128(3.25)	.102(2.60)
5	FFC05018-05SBD2X4W5M	.181(4.60)	.147(3.75)	.122(3.10)
6	FFC05018-06SBD2X4W5M	.201(5.10)	.167(4.25)	.142(3.60)
7	FFC05018-07SBD2X4W5M	.221(5.60)	.187(4.75)	.162(4.10)
8	FFC05018-08SBD2X4W5M	.240(6.10)	.207(5.25)	.181(4.60)
9	FFC05018-09SBD2X4W5M	.261(6.60)	.226(5.75)	.201(5.10)
10	FFC05018-10SBD2X4W5M	.280(7.10)	.246(6.25)	.220(5.60)
12	FFC05018-12SBD2X4W5M	.318(8.10)	.285(7.25)	.260(6.60)
13	FFC05018-13SBD2X4W5M	.338(8.60)	.305(7.75)	.279(7.10)
14	FFC05018-14SBD2X4W5M	.358(9.10)	.325(8.25)	.299(7.60)
15	FFC05018-15SBD2X4W5M	.378(9.60)	.344(8.75)	.319(8.10)
16	FFC05018-16SBD2X4W5M	.398(10.10)	.364(9.25)	.339(8.60)
18	FFC05018-18SBD2X4W5M	.437(11.10)	.404(10.25)	.378(9.60)
20	FFC05018-20SBD2X4W5M	.476(12.10)	.443(11.25)	.417(10.60)
22	FFC05018-22SBD2X4W5M	.516(13.10)	.482(12.25)	.457(11.60)
24	FFC05018-24SBD2X4W5M	.555(14.10)	.521(13.25)	.496(12.60)
26	FFC05018-26SBD2X4W5M	.594(15.10)	.561(14.25)	.535(13.60)
28	FFC05018-28SBD2X4W5M	.634(16.10)	.600(15.25)	.574(14.60)
30	FFC05018-30SBD2X4W5M	.673(17.10)	.640(16.25)	.612(15.60)
32	FFC05018-32SBD2X4W5M	.713(18.10)	.679(17.25)	.652(16.60)
34	FFC05018-34SBD2X4W5M	.752(19.10)	.718(18.25)	.692(17.60)
36	FFC05018-36SBD2X4W5M	.791(20.10)	.757(19.25)	.732(18.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05018-XXSBD2X4W5M	ITEM NO. FFC05018	 Building Technology Cornerstone	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5' .X'±2'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Double contact SMT		REV 1
SCALE 1:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX'±1' .XXX'±0.5'	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		

1 2 3 4 5 6 7 8

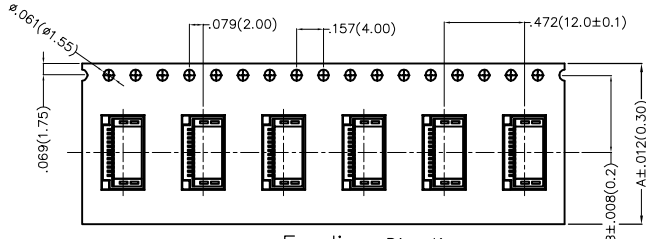
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



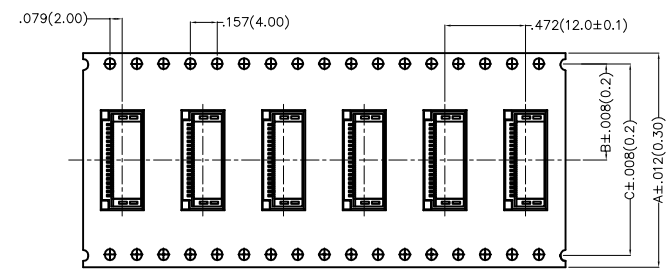
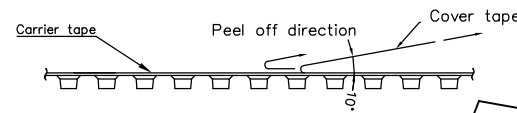
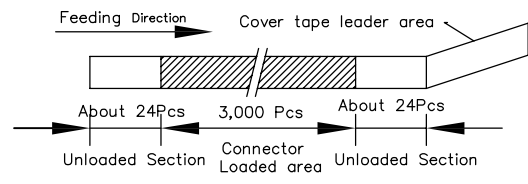
Note:

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: 3,000 pcs

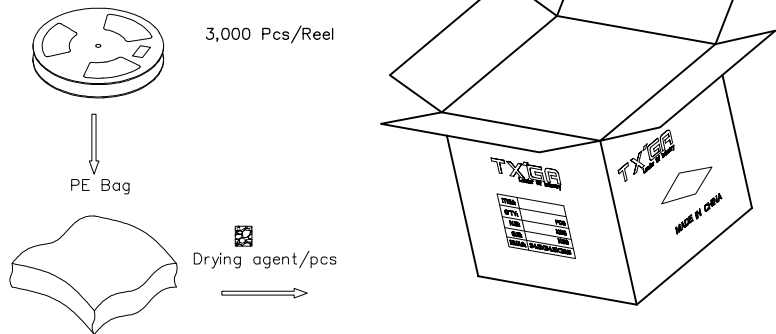
Circuits (n)	Dimensions(in./mm)		
	A	B	C
4~12	.630(16.0)	.295(7.50)	—
13~24	.945(24.0)	.453(11.50)	—
25~36	1.260(32.0)	.561(14.25)	1.122(28.50)
37~45	1.732(44.0)	.797(20.25)	1.594(40.50)



Circuits: 4-24 Feeding Direction



Circuits: 25-45 Feeding Direction



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X.±.012(0.30)	X'±5'	FRANK	18/JUN/13	FFC05018-XXSBD2X4W5M	FFC05018	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX±1'	JACOB	18/JUN/13	FPC/FFC connector 0.5mm Double contact SMT		
SCALE	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	A4			CHERRY	18/JUN/13	REV 1	SHEET NO. 3/3