

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	24/JUN/21	KATE	CHERRY
2	△	MPQ: Change 1,500 pcs into 2,000 pcs / reel	14/FEB/22	MATT	CHERRY
3	△	Structural change (ECR)	21/May/26	NICK	LEO

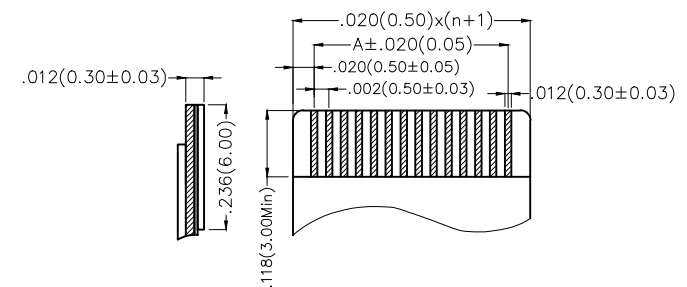
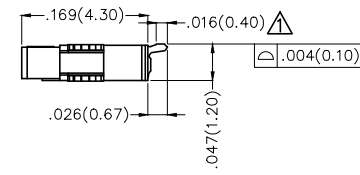
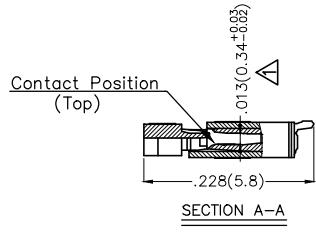
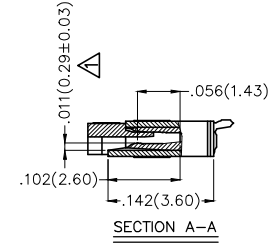
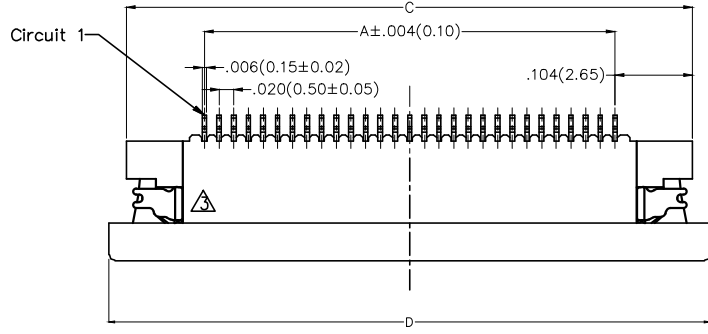
SPECIFICATIONS

Electrical

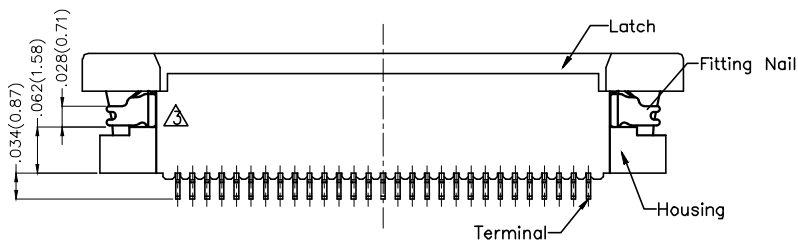
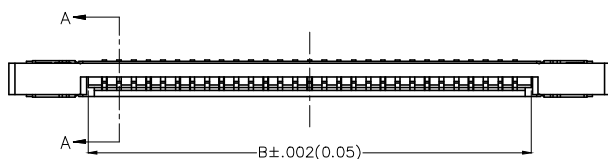
Current Rating: 0.5A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 20 mΩ Max
 Insulation Resistance: 500 MΩ MIN
 Withstanding Voltage: 200V AC r.m.s
 Temperature Range-Operating: -25°C~+85°C

Material and Plating

Housing: Heat Resistant Polymer UL 94V-0
 Actuator: Heat Resistant Polymer UL 94V-0
 Contact: Phosphor Bronze/ Gold or Tin Plated
 Stopper: Phosphor Bronze/ Tin Plated



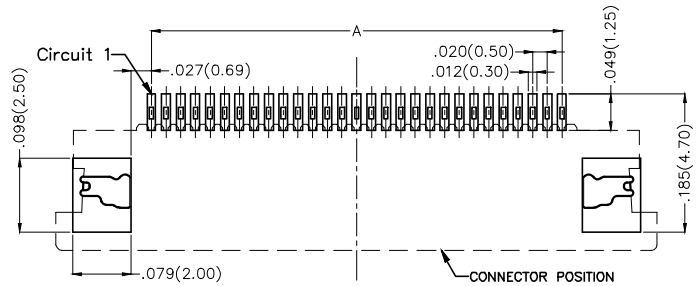
Applicable FFC Recommended Dimension




Ordering Information

FFC 050 08 — XX S B A 1 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. 08	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 1-Gold Plated	10 Material-Resin 4-LCP	11 Color-Resin W5-Housing: Natural, Actuator: 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. FFC05008-XXSBA1X4W5M	ITEM NO. FFC05008	 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 JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Top contact SMT	
SCALE 5:1	SIZE A4	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	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	24/JUN/21	KATE	CHERRY
2	△	MPQ: Change 1,500 pcs into 2,000 pcs / reel	14/FEB/22	MATT	CHERRY
3	△	Structural change (ECR)	21/May/26	NICK	LEO

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C △	D
4	FFC05008-04SBA1X4W5M	.059(1.50)	.102(2.60)	.268(6.80)	.315(8.00)
6	FFC05008-06SBA1X4W5M	.098(2.50)	.142(3.60)	.307(7.80)	.354(9.00)
8	FFC05008-08SBA1X4W5M	.138(3.50)	.171(4.60)	.346(8.80)	.394(10.00)
9	FFC05008-09SBA1X4W5M	.157(4.00)	.201(5.10)	.366(9.30)	.413(10.50)
10	FFC05008-10SBA1X4W5M	.177(4.50)	.221(5.60)	.386(9.80)	.433(11.00)
12	FFC05008-12SBA1X4W5M	.217(5.50)	.260(6.60)	.425(10.80)	.472(12.00)
13	FFC05008-13SBA1X4W5M	.236(6.00)	.280(7.10)	.445(11.30)	.492(12.50)
16	FFC05008-16SBA1X4W5M	.295(7.50)	.339(8.60)	.504(12.80)	.551(14.00)
17	FFC05008-17SBA1X4W5M	.315(8.00)	.359(9.10)	.524(13.30)	.571(14.50)
20	FFC05008-20SBA1X4W5M	.374(9.50)	.417(10.60)	.583(14.80)	.630(16.00)
22	FFC05008-22SBA1X4W5M	.413(10.50)	.457(11.60)	.622(15.80)	.689(17.00)
24	FFC05008-24SBA1X4W5M	.453(11.50)	.496(12.60)	.661(16.80)	.709(18.00)
25	FFC05008-25SBA1X4W5M	.472(12.00)	.516(13.10)	.681(17.30)	.728(18.50)
26	FFC05008-26SBA1X4W5M	.492(12.50)	.535(13.60)	.701(17.80)	.748(19.00)
30	FFC05008-30SBA1X4W5M	.571(14.50)	.614(15.60)	.780(19.80)	.828(21.00)
33	FFC05008-33SBA1X4W5M	.630(16.00)	.673(17.10)	.839(21.30)	.886(22.50)
34	FFC05008-34SBA1X4W5M	.650(16.50)	.693(17.60)	.858(21.80)	.906(23.00)
36	FFC05008-36SBA1X4W5M	.689(17.50)	.732(18.60)	.898(22.80)	.948(24.00)
40	FFC05008-40SBA1X4W5M	.768(19.50)	.811(20.60)	.976(24.80)	1.024(26.00)
45	FFC05008-45SBA1X4W5M	.866(22.00)	.910(23.10)	1.075(27.30)	1.122(28.50)
50	FFC05008-50SBA1X4W5M	.965(24.50)	1.008(25.60)	1.173(29.80)	1.220(31.00)
52	FFC05008-52SBA1X4W5M	1.004(25.50)	1.047(26.60)	1.213(30.80)	1.260(32.00)
54	FFC05008-54SBA1X4W5M	1.043(26.50)	1.087(27.60)	1.252(31.80)	1.299(33.00)
60	FFC05008-60SBA1X4W5M	1.161(29.50)	1.205(30.60)	1.370(34.80)	1.417(36.00)

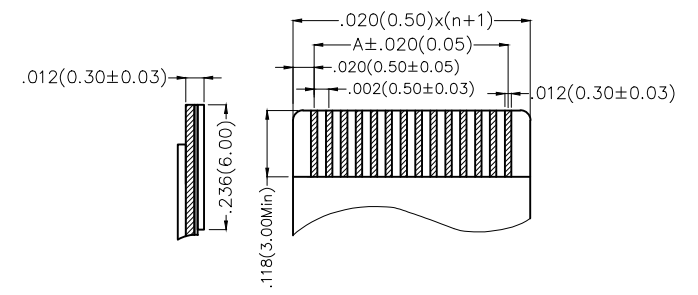
 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05008-XXSBA1X4W5M	ITEM NO. FFC05008	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5' .X'±2'	CHECKED BY JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Top contact SMT	
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	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	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	24/JUN/21	KATE	CHERRY
2	△	MPQ: Change 1,500 pcs into 2,000 pcs / reel	14/FEB/22	MATT	CHERRY
3	△	Structural change (ECR)	21/May/26	NICK	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: -25°C~+85°C

Material and Plating
 Housing: Heat Resistant Polymer UL 94V-0
 Actuator: Heat Resistant Polymer UL 94V-0
 Contact: Phosphor Bronze/ Gold or Tin Plated
 Stopper: Phosphor Bronze/ Tin Plated




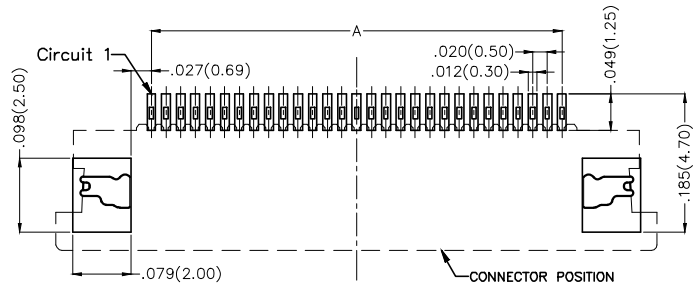
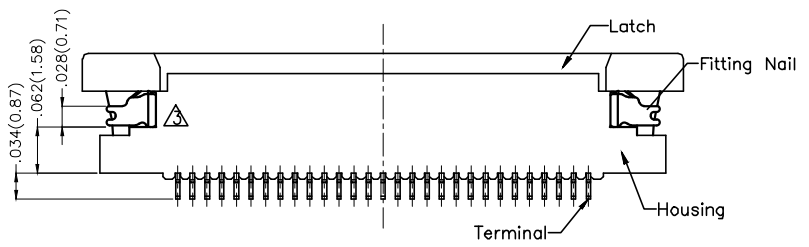
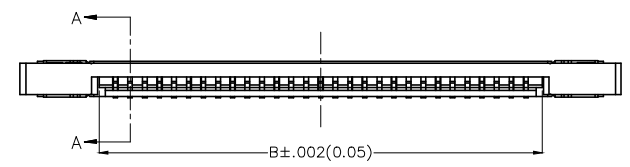
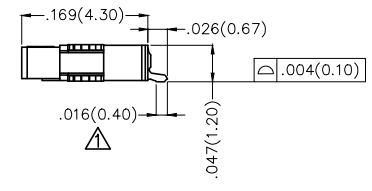
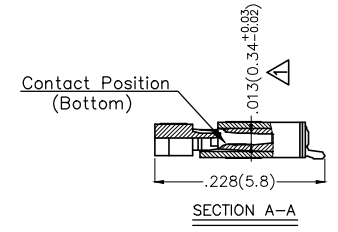
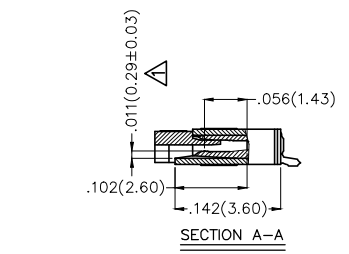
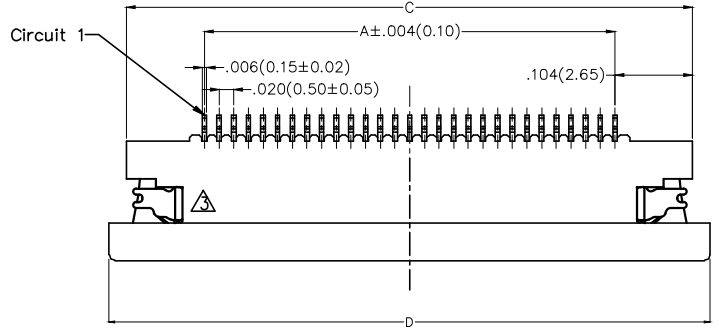
Applicable FFC
 Recommended Dimension

Ordering Information

FFC 050 08 — XX S B B 1 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. 08	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 1-Gold Plated	10	Material-Resin 4-LCP	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. FFC05008-XXSBB1X4W5M	ITEM NO. FFC05008	 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 JACOB	DATE 18/JUN/13	TITLE FPC/FFC connector 0.5mm Bottom contact SMT		REV 3
SCALE 5:1	SIZE A4		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			





Recommended P.C.Board Layout

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	24/JUN/21	KATE	CHERRY
2	△	MPQ: Change 1,500 pcs into 2,000 pcs / reel	14/FEB/22	MATT	CHERRY
3	△	Structural change (ECR)	21/May/26	NICK	LEO

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C △	D
4	FFC05008-04SBB1X4W5M	.059(1.50)	.102(2.60)	.268(6.80)	.315(8.00)
6	FFC05008-06SBB1X4W5M	.098(2.50)	.142(3.60)	.307(7.80)	.354(9.00)
8	FFC05008-08SBB1X4W5M	.138(3.50)	.171(4.60)	.346(8.80)	.394(10.00)
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13	FFC05008-13SBB1X4W5M	.236(6.00)	.280(7.10)	.445(11.30)	.492(12.50)
16	FFC05008-16SBB1X4W5M	.295(7.50)	.339(8.60)	.504(12.80)	.551(14.00)
17	FFC05008-17SBB1X4W5M	.315(8.00)	.359(9.10)	.524(13.30)	.571(14.50)
20	FFC05008-20SBB1X4W5M	.374(9.50)	.417(10.60)	.583(14.80)	.630(16.00)
22	FFC05008-22SBB1X4W5M	.413(10.50)	.457(11.60)	.622(15.80)	.689(17.00)
24	FFC05008-24SBB1X4W5M	.453(11.50)	.496(12.60)	.661(16.80)	.709(18.00)
25	FFC05008-25SBB1X4W5M	.472(12.00)	.516(13.10)	.681(17.30)	.728(18.50)
26	FFC05008-26SBB1X4W5M	.492(12.50)	.535(13.60)	.701(17.80)	.748(19.00)
30	FFC05008-30SBB1X4W5M	.571(14.50)	.614(15.60)	.780(19.80)	.828(21.00)
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 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC05008-XXSBB1X4W5M	ITEM NO. FFC05008	 Leader Of Industry
	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 Bottom contact SMT	
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	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		

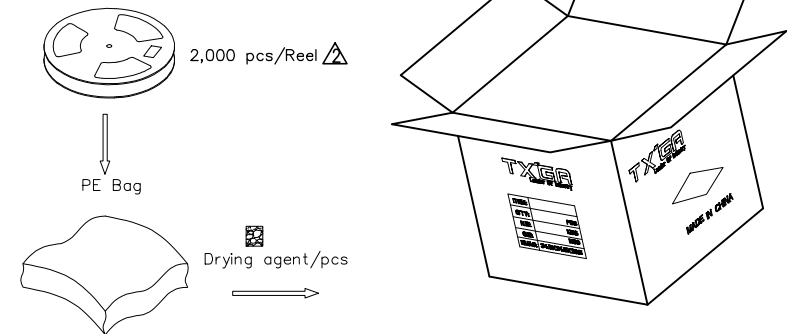
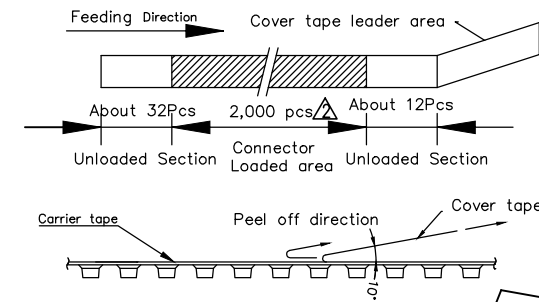
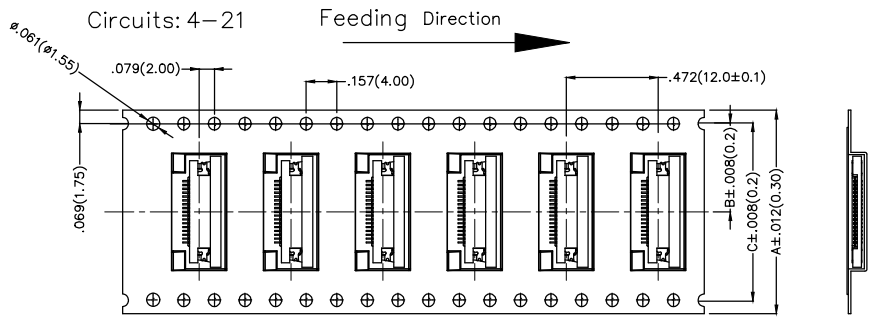
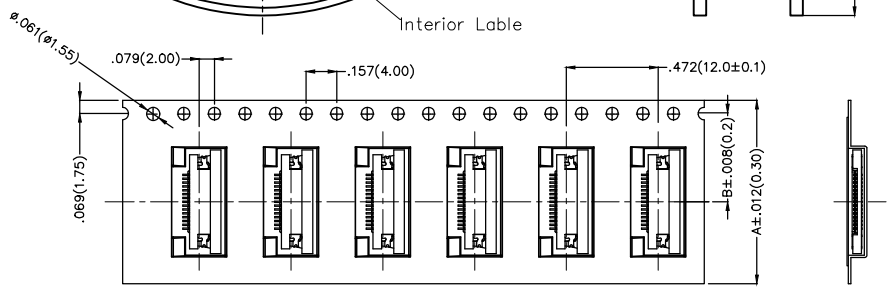
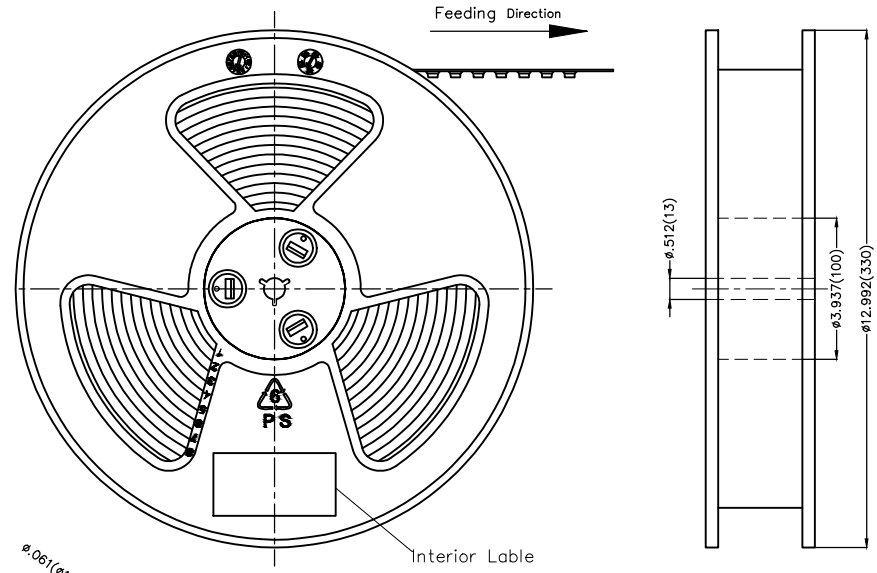
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size changes	24/JUN/21	KATE	CHERRY
2	△	MPQ: Change 1,500 pcs into 2,000 pcs / reel	14/FEB/22	MATT	CHERRY

Note:

- 10 sprocket hole cumulative tolerance ±0.2
- Carrier camber is within 1.0mm in 250mm
- Material: Black 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
4~6	.630(16.0)	.295(7.5)	—
8~20	.945(24.0)	.453(11.5)	—
22~30	1.260(32.0)	.561(14.25)	1.033(28.50)
33~54	1.732(44.0)	.797(20.25)	1.594(40.50)
60	2.205(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	FFC05008-XXSBX1X4W5M	FFC05008	
	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 SMT		
SCALE	SIZE	X.XXX±.004(0.10)	.XX'±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 3	SHEET NO. 5/5