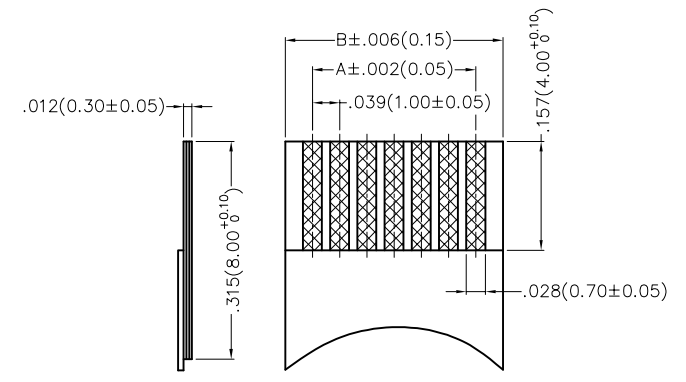
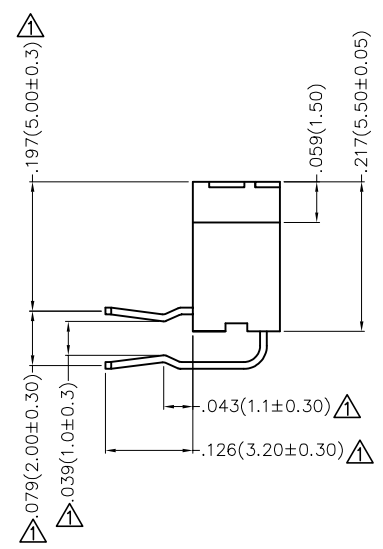
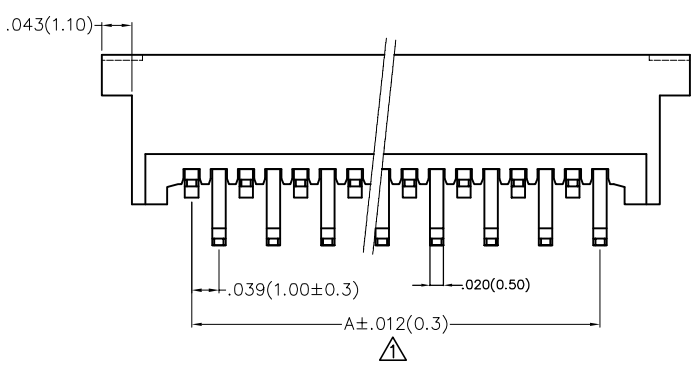
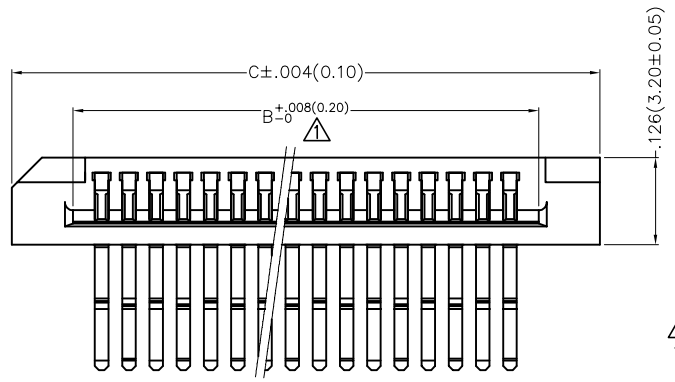


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update dimensions and tolerances	17/JAN/25	MATT	LEO

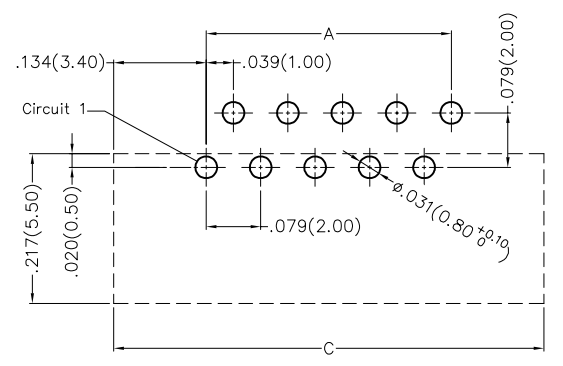
**SPECIFICATIONS**

**Electrical**  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 30 mΩ Max  
 Insulation Resistance: 800 MΩ MIN  
 Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -40°C~+85°C

**Material and Plating**  
 Housing: PBT UL 94V-0/ White  
 Terminal: Phosphor Bronze/ Tin Plated Over Nickel



Applicable FFC Recommended Dimension



A—Positive Needle Recommended P.C.Board Layout

**Ordering Information**

FFC	100	11	—	XX	D	B	A	2	2	1	W5	L
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. 11	4 Circuits XX	5 Assemble Layout D-DIP	6 Entry Angle B-90° Angle
7 Contact Position A-Positive Needle	8 ZIF 2-NON ZIF	9 Plating 2-Tin Plated All	10 Material-Resin 1-PBT	11 Color-Resin W5-White	12 Packaging L-Tube

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10011-XXDBA221W5L	ITEM NO. FFC10011	 Building Technology Cornerstone
	X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC Connector(1.00mm) Positive Needle Type		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2°	DRAWN BY KATE	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.XX±.006(0.15)					
		X.XXX±.004(0.10)					

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B



C

D

E

F

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC10011-04DBA221W5L	.118(3.00)	.197(5.00)	.378(9.60)	18	FFC10011-18DBA221W5L	.669(17.00)	.748(19.00)	.929(23.60)
5	FFC10011-05DBA221W5L	.157(4.00)	.236(6.00)	.417(10.60)	19	FFC10011-19DBA221W5L	.709(18.00)	.787(20.00)	.969(24.60)
6	FFC10011-06DBA221W5L	.197(5.00)	.276(7.00)	.457(11.60)	20	FFC10011-20DBA221W5L	.748(19.00)	.827(21.00)	1.008(25.60)
7	FFC10011-07DBA221W5L	.236(6.00)	.315(8.00)	.496(12.60)	21	FFC10011-21DBA221W5L	.787(20.00)	.866(22.00)	1.047(26.60)
8	FFC10011-08DBA221W5L	.276(7.00)	.354(9.00)	.535(13.60)	22	FFC10011-22DBA221W5L	.827(21.00)	.906(23.00)	1.087(27.60)
9	FFC10011-09DBA221W5L	.315(8.00)	.394(10.00)	.575(14.60)	23	FFC10011-23DBA221W5L	.866(22.00)	.945(24.00)	1.126(28.60)
10	FFC10011-10DBA221W5L	.354(9.00)	.433(11.00)	.614(15.60)	24	FFC10011-24DBA221W5L	.906(23.00)	.984(25.00)	1.165(29.60)
11	FFC10011-11DBA221W5L	.394(10.00)	.472(12.00)	.654(16.60)	25	FFC10011-25DBA221W5L	.945(24.00)	1.024(26.00)	1.205(30.60)
12	FFC10011-12DBA221W5L	.433(11.00)	.512(13.00)	.693(17.60)	26	FFC10011-26DBA221W5L	.984(25.00)	1.063(27.00)	1.244(31.60)
13	FFC10011-13DBA221W5L	.472(12.00)	.551(13.00)	.732(18.60)	27	FFC10011-27DBA221W5L	1.024(26.00)	1.102(28.00)	1.283(32.60)
14	FFC10011-14DBA221W5L	.512(13.00)	.591(15.00)	.772(19.60)	28	FFC10011-28DBA221W5L	1.063(27.00)	1.142(29.00)	1.323(33.60)
15	FFC10011-15DBA221W5L	.551(13.00)	.630(16.00)	.811(20.60)	29	FFC10011-29DBA221W5L	1.102(28.00)	1.181(30.00)	1.362(34.60)
16	FFC10011-16DBA221W5L	.591(15.00)	.669(17.00)	.850(21.60)	30	FFC10011-30DBA221W5L	1.142(29.00)	1.220(31.00)	1.402(35.60)
17	FFC10011-17DBA221W5L	.630(16.00)	.709(18.00)	.890(22.60)					

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone
	X.±.012(0.30)	X.±5'	FRANK	18/JUN/13	FFC10011-XXDBA221W5L	FFC10011	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	X.±2'	CHECKED BY	DATE	TITLE		REV 1
SCALE	X.XX±.006(0.15)	.XX±1'	CHERRY	18/JUN/13	FPC/FFC Connector(1.00mm) Positive Needle Type		
5:1	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		
SIZE A4			KATE	18/JUN/13			

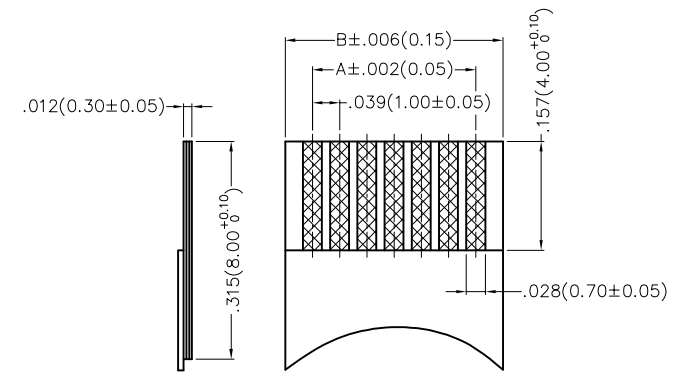
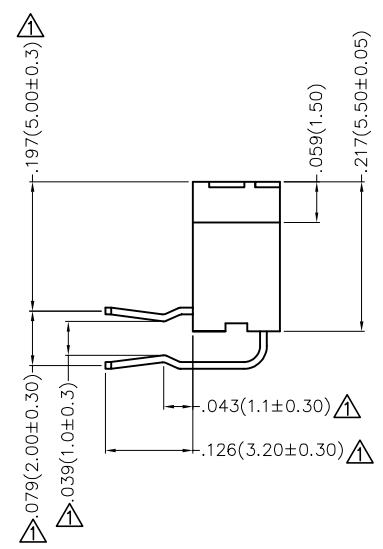
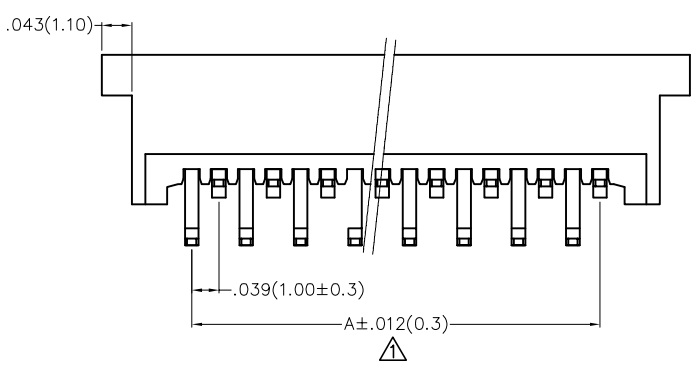
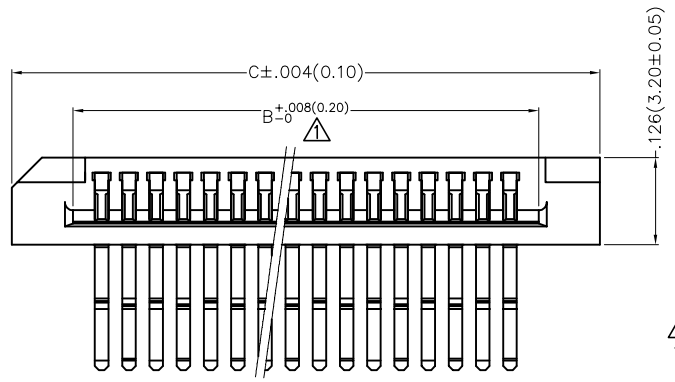
1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Update dimensions and tolerances	17/JAN/25	MATT	LEO

**SPECIFICATIONS**

**Electrical**  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 50V AC(rms)/DC  
 Contact Resistance: 30 mΩ Max  
 Insulation Resistance: 800 MΩ MIN  
 Withstanding Voltage: 500V AC r.m.s  
 Temperature Range—Operating: -40°C~+85°C

**Material and Plating**  
 Housing: PBT UL 94V-0/ White  
 Terminal: Phosphor Bronze/ Tin Plated Over Nickel

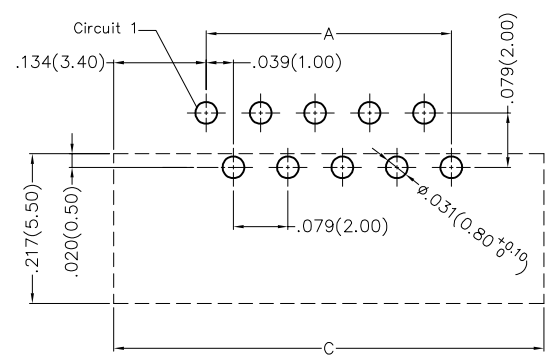


Applicable FFC Recommended Dimension

**Ordering Information**

FFC 100 11 — XX D B B 2 2 1 W5 L  
 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. 11	4	Circuits XX	5	Assemble Layout D-DIP	6	Entry Angle B-90° Angle
7	Contact Position B-Versa Needle	8	ZIF 2-NON ZIF	9	Plating 2-Tin Plated All	10	Material-Resin 1-PBT	11	Color-Resin W5-White	12	Packaging L-Tube



B-Versa Needle Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10011-XXDBB221W5L	ITEM NO. FFC10011	 Building Technology Cornerstone	
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 18/JUN/13	TITLE FPC/FFC Connector(1.00mm) Versa Needle Type			REV 1
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2'	DRAWN BY KATE	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.XX±.006(0.15)						
		X.XXX±.004(0.10)						

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B



C

D

E

F

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
4	FFC10011-04DBB221W5L	.118(3.00)	.197(5.00)	.378(9.60)	18	FFC10011-18DBB221W5L	.669(17.00)	.748(19.00)	.929(23.60)
5	FFC10011-05DBB221W5L	.157(4.00)	.236(6.00)	.417(10.60)	19	FFC10011-19DBB221W5L	.709(18.00)	.787(20.00)	.969(24.60)
6	FFC10011-06DBB221W5L	.197(5.00)	.276(7.00)	.457(11.60)	20	FFC10011-20DBB221W5L	.748(19.00)	.827(21.00)	1.008(25.60)
7	FFC10011-07DBB221W5L	.236(6.00)	.315(8.00)	.496(12.60)	21	FFC10011-21DBB221W5L	.787(20.00)	.866(22.00)	1.047(26.60)
8	FFC10011-08DBB221W5L	.276(7.00)	.354(9.00)	.535(13.60)	22	FFC10011-22DBB221W5L	.827(21.00)	.906(23.00)	1.087(27.60)
9	FFC10011-09DBB221W5L	.315(8.00)	.394(10.00)	.575(14.60)	23	FFC10011-23DBB221W5L	.866(22.00)	.945(24.00)	1.126(28.60)
10	FFC10011-10DBB221W5L	.354(9.00)	.433(11.00)	.614(15.60)	24	FFC10011-24DBB221W5L	.906(23.00)	.984(25.00)	1.165(29.60)
11	FFC10011-11DBB221W5L	.394(10.00)	.472(12.00)	.654(16.60)	25	FFC10011-25DBB221W5L	.945(24.00)	1.024(26.00)	1.205(30.60)
12	FFC10011-12DBB221W5L	.433(11.00)	.512(13.00)	.693(17.60)	26	FFC10011-26DBB221W5L	.984(25.00)	1.063(27.00)	1.244(31.60)
13	FFC10011-13DBB221W5L	.472(12.00)	.551(13.00)	.732(18.60)	27	FFC10011-27DBB221W5L	1.024(26.00)	1.102(28.00)	1.283(32.60)
14	FFC10011-14DBB221W5L	.512(13.00)	.591(15.00)	.772(19.60)	28	FFC10011-28DBB221W5L	1.063(27.00)	1.142(29.00)	1.323(33.60)
15	FFC10011-15DBB221W5L	.551(13.00)	.630(16.00)	.811(20.60)	29	FFC10011-29DBB221W5L	1.102(28.00)	1.181(30.00)	1.362(34.60)
16	FFC10011-16DBB221W5L	.591(15.00)	.669(17.00)	.850(21.60)	30	FFC10011-30DBB221W5L	1.142(29.00)	1.220(31.00)	1.402(35.60)
17	FFC10011-17DBB221W5L	.630(16.00)	.709(18.00)	.890(22.60)					

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone
	X.±.012(0.30)	X.±5'	FRANK	18/JUN/13	FFC10011-XXDBB221W5L	FFC10011	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2"	CHECKED BY	DATE	TITLE		REV 1
	X.XX±.006(0.15)	.XX'±1"	CHERRY	18/JUN/13	FPC/FFC Connector(1.00mm) Versa Needle Type		
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	
			KATE	18/JUN/13			

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