

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Update dimensions and tolerances	25/SEP/24	MATT	LEO

SPECIFICATIONS

Electrical

Current Rating: 1A AC(rms)/DC

Voltage Rating: 50V AC(rms)/DC

Contact Resistance: 20 mΩ Max

Insulation Resistance: 800 MΩ MIN

Withstanding Voltage: 500V AC r.m.s

Temperature Range—Operating: -40°C~+85°C

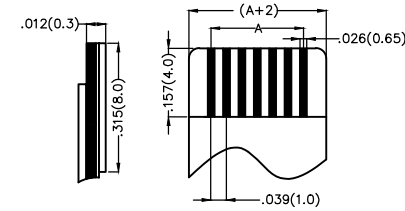
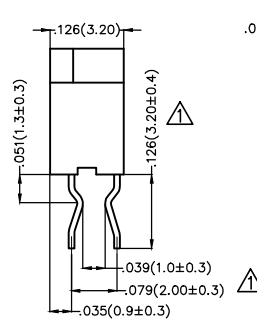
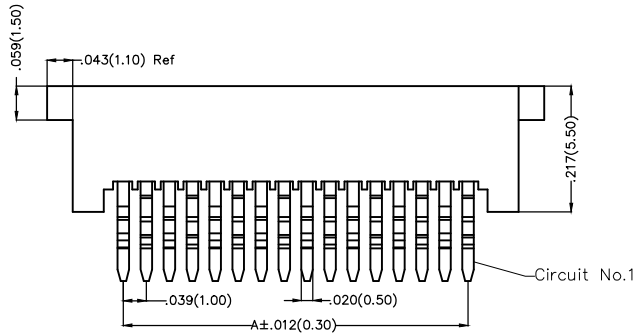
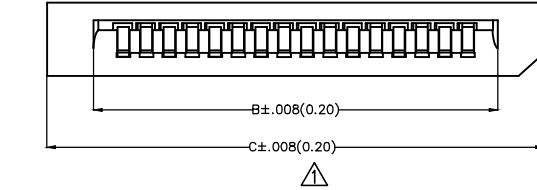
Material and Plating

Housing: PBT UL 94V-0/White

Actuator: Heat Resistant Polymer UL 94V-0

Terminal: Phosphor Bronze/Tin-Plated

Stopper: Phosphor Bronze/Tin-Plated

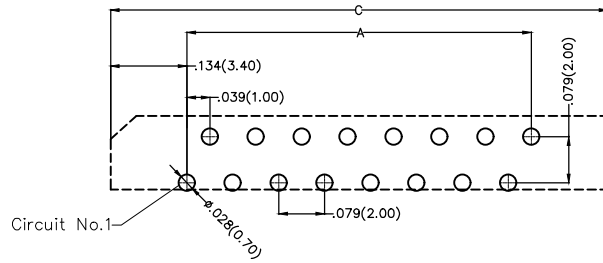


Applicable FFC Recommended Dimension

Ordering Information

FFC	100	10	—	XX	D	S	A	2	2	6	W1	L
1	2	3	4	5	6	7	8	9	10	11	12	

1 Series Name FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 10	4 Circuits XX	5 Entry Type D-DIP	6 Contact Type S-180° Vertical
7 PCB Layout A-Positive Needle	8 ZIF 2-NON ZIF	9 Plating 2-Tin Plated All	10 Plastic 6-PBT	11 Plastic Colour W1-White	12 Packaging L-Tube



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/AUG/13	PART NO. FFC10010-XXDSA226W1L	ITEM NO. FFC10010	 Building Technology Cornerstone	
		X.±.012(0.30)	X.±5"	CHECKED BY CHERRY	DATE 5/AUG/13	TITLE FPC/FFC Connector(1.00mm) Positive Needle Type			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2"	DRAWN BY JACOB	DATE 5/AUG/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. 1/4
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1"					X.XXX±.004(0.10)	.XXX±0.5"

6		7		8	
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C 			A	B	C 
4	FFC10010-04DSA226W1L	.118(3.00)	.201(5.10)	.378(9.60)	18	FFC10010-18DSA226W1L	.669(17.00)	.752(19.10)	.929(23.60)
5	FFC10010-05DSA226W1L	.157(4.00)	.240(6.10)	.417(10.60)	19	FFC10010-19DSA226W1L	.708(18.00)	.791(20.10)	.969(24.60)
6	FFC10010-06DSA226W1L	.197(5.00)	.280(7.10)	.457(11.60)	20	FFC10010-20DSA226W1L	.748(19.00)	.831(21.10)	1.008(25.60)
7	FFC10010-07DSA226W1L	.236(6.00)	.319(8.10)	.496(12.60)	21	FFC10010-21DSA226W1L	.787(20.00)	.870(22.10)	1.047(26.60)
8	FFC10010-08DSA226W1L	.276(7.00)	.358(9.10)	.535(13.60)	22	FFC10010-22DSA226W1L	.827(21.00)	.910(23.10)	1.087(27.60)
9	FFC10010-09DSA226W1L	.315(8.00)	.398(10.10)	.575(14.60)	23	FFC10010-23DSA226W1L	.866(22.00)	.949(24.10)	1.126(28.60)
10	FFC10010-10DSA226W1L	.354(9.00)	.437(11.10)	.614(15.60)	24	FFC10010-24DSA226W1L	.906(23.00)	.992(25.10)	1.165(29.60)
11	FFC10010-11DSA226W1L	.394(10.00)	.476(12.10)	.654(16.60)	25	FFC10010-25DSA226W1L	.945(24.00)	1.032(26.10)	1.205(30.60)
12	FFC10010-12DSA226W1L	.433(11.00)	.516(13.10)	.693(17.60)	26	FFC10010-26DSA226W1L	.988(25.00)	1.067(27.10)	1.244(31.60)
13	FFC10010-13DSA226W1L	.472(12.00)	.555(14.10)	.732(18.60)	27	FFC10010-27DSA226W1L	1.028(26.00)	1.106(28.10)	1.283(32.60)
14	FFC10010-14DSA226W1L	.512(13.00)	.595(15.10)	.772(19.60)	28	FFC10010-28DSA226W1L	1.063(27.00)	1.145(29.10)	1.323(33.60)
15	FFC10010-15DSA226W1L	.551(14.00)	.634(16.10)	.811(20.60)	29	FFC10010-29DSA226W1L	1.102(28.00)	1.185(30.10)	1.362(34.60)
16	FFC10010-16DSA226W1L	.591(15.00)	.673(17.10)	.850(21.60)	30	FFC10010-30DSA226W1L	1.141(29.00)	1.224(31.10)	1.402(35.60)
17	FFC10010-17DSA226W1L	.630(16.00)	.712(18.10)	.890(22.60)					

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 18/JUN/13	PART NO. FFC10010-XXDSA226W1L	ITEM NO. FFC10010	 Building Technology Cornerstone		
		X.±0.12(0.30)	X.±5°	CHECKED BY	DATE	TITLE FPC/FFC Connector(1.00mm) Positive Needle Type				
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X±2°	JACOB	18/JUN/13			REV 1		SHEET NO. 2/4
		X.XX±.006(0.15)	.XX±1°	DRAWN BY	DATE					
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX±0.5°	CHERRY	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	SIZE
5:1	A4



THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)



THIRD ANGLE
PROJECTION

DESIGN UNITS
Inch (metric)

SCALE	SIZE
5:1	A4

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Update dimensions and tolerances	25/SEP/24	MATT	LEO

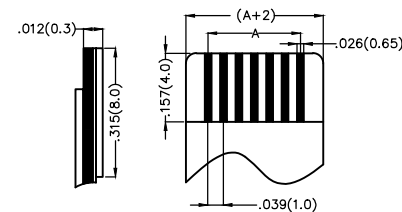
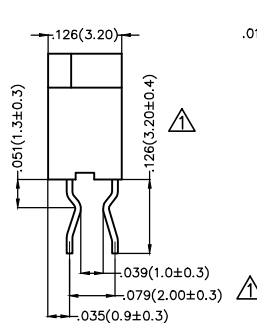
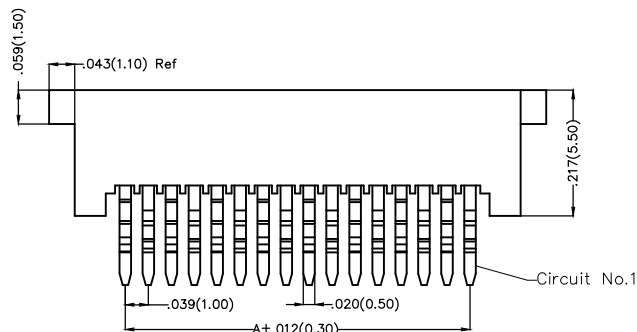
SPECIFICATIONS

Electrical

Current Rating:1A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 m Ω Max
Insulation Resistance: 800 M Ω MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: −40℃~+85℃

Material and Plating

Housing: PBT UL 94V-0/White
Actuator: Heat Resistant Polymer UL 94V-0
Terminal: Phosphor Bronze/Tin-Plated
Stopper: Phosphor Bronze/Tin-Plated

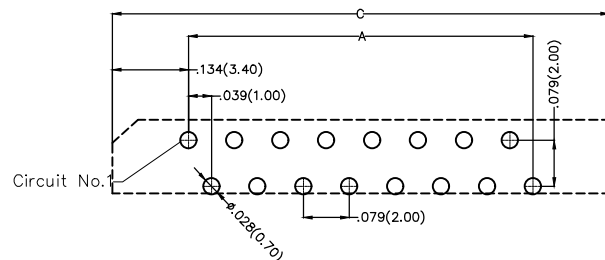


Applicable FFC Recommended Dimension

Ordering Information

FFC 100 10 — XX D S B 2 2 6 W1 L
1 2 3 4 5 6 7 8 9 10 11 12

1 Series Name FFC-FPC	2 Series Number 100-Pitch1.00mm	3 Distinction No. 10	4 Circuits XX	5 Entry Type D-DIP	6 Contact Type S-180° Vertical
7 PCB Layout B-Versa Needle	8 ZIF 2-NON ZIF	9 Plating 2-Tin Plated All	10 Plastic 6-PBT	11 Plastic Colour W1-White	12 Packaging L-Tube

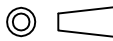


Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 5/AUG/13	PART NO. FFC10010-XXDSB226W1L	ITEM NO. FFC10010	 Building Technology Cornerstone	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY CHERRY	DATE 5/AUG/13	TITLE FPC/FFC Connector(1.00mm) Versa Needle Type		REV 1	SHEET NO. 3/4
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1°	DRAWN BY JACOB	DATE 5/AUG/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.XXX±.004(0.10)	.XXX±0.5°						

1	2	3	4	5	6	7	8				
					REV	LOCATIONS	DESCRIPTION	DATE	REVISED	APPD	
A											A
B											B
C											C
D											D
E											E
F											F

Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
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 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK		DATE 18/JUN/13	PART NO. FFC10010-XXDSB226W1L		ITEM NO. FFC10010		 Building Technology Cornerstone	
			CHECKED BY JACOB		DATE 18/JUN/13	TITLE FPC/FFC Connector(1.00mm) Versa Needle Type					
	DESIGN UNITS Inch (metric)		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					
	SCALE 5:1	SIZE A4						REV 1	SHEET NO. 4/4		

1	2	3	4	5	6	7	8
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