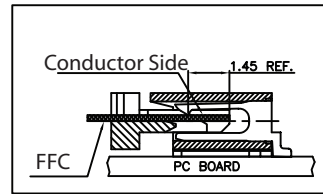
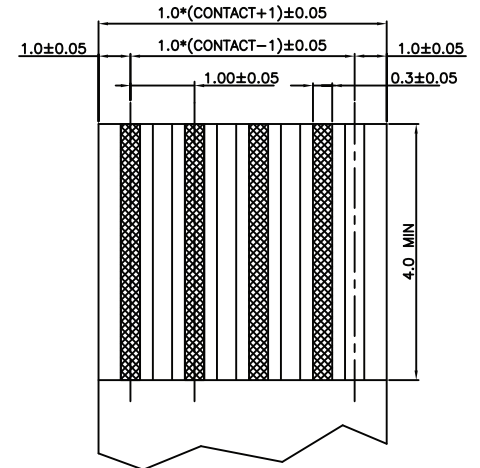
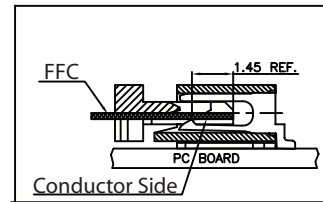


**Upper Contact Style**



**Lower Contact Style**



FFC/FPC Recommended Dimensions  
Thickness 0.3 +/- 0.03mm

**ELECTRICAL:**

CURRENT RATING: 0.5A  
 VOLTAGE RATING: 50 VDC  
 CONTACT RESISTANCE: 30Ω max. (at 20 mVDC, 100mA max.)  
 INSULATOR RESISTANCE: 100MΩ min. (at 500 VDC)  
 DIELECTRIC WITHSTANDING VOLTAGE: AC 250V / 60sec.  
 (Leak current must be 1mA max.)  
 OPERATING TEMPERATURE: -30°C to +85°C

**MATERIAL:**

HOUSING: Nylon 6T UL94V-0  
 SLIDER: PPA UL94V-0 /COLOR: White  
 CONTACT PLATING: Tin (100μ") MIN. over Nickel (50μ") MIN.

**HOW TO ORDER:**

F 2 1 3 - X X 2 2 - X 0 X - Z

**NUMBER OF CONTACTS:** 03 to 30 - SEE TABLE Page 2

**CONTACT POINT:** 3 - UPPER, 4 - LOWER

**PACKAGING:** 0 - TUBE, 2 - TAPE/REEL

**RoHS COMPLIANT**

Rev	Issued	Drawn	Checked	Approved	Date
0	Issued	S.E.	S.M.	S.M.	12/1/01
A	Revision	A.M.	S.M.	S.M.	11/11/04
B	Revised For RoHS Compliance	WHS	S.M.	S.M.	6/11/06

**SMP TECHNOLOGY, INC.**

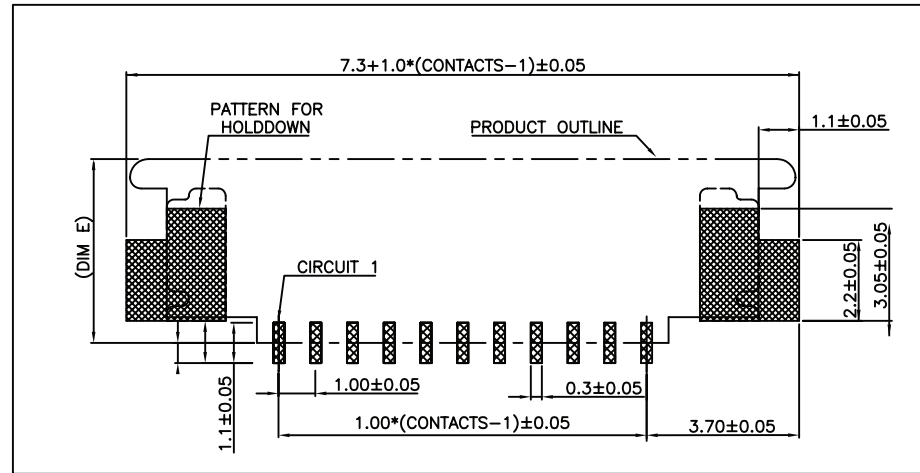
FFC Connectors, 1.0 mm Pitch, Side Entry, ZIF, Surface Mount

TOL. DEC. .X +/- 0.30 .XX +/- 0.20 .XXX +/- 0.10 ANGLE +/- UNIT: mm

P/N: F 2 1 3 - X X 2 2 - X 0 X - Z

3.DIMENSION:

CKT	A	B	C	D	E
3	10.10	2.00	8.10	0.80	5.00
4	11.10	3.00	9.10		
5	12.10	4.00	10.10		
6	13.10	5.00	11.10		
7	14.10	6.00	12.10		
8	15.10	7.00	13.10		
9	16.10	8.00	14.10		
10	17.10	9.00	15.10		
11	18.10	10.00	16.10		
12	19.10	11.00	17.10		
13	20.10	12.00	18.10		
14	21.10	13.00	19.10		
15	22.10	14.00	20.10		
16	23.10	15.00	21.10		
17	24.10	16.00	22.10		
18	25.10	17.00	23.10		
19	26.10	18.00	24.10		
20	27.10	19.00	25.10		
21	28.10	20.00	26.10		
22	29.10	21.00	27.10		
23	30.10	22.00	28.10		
24	31.10	23.00	29.10		
25	32.10	24.00	30.10		
26	33.10	25.00	31.10		
27	34.10	26.00	32.10		
28	35.10	27.00	33.10		
29	36.10	28.00	34.10		
30	37.10	29.00	35.10		



RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE)

SMP TECHNOLOGY, INC.

FFC Connectors, 1.00 mm Pitch, Side Entry, ZIF, Surface Mount