

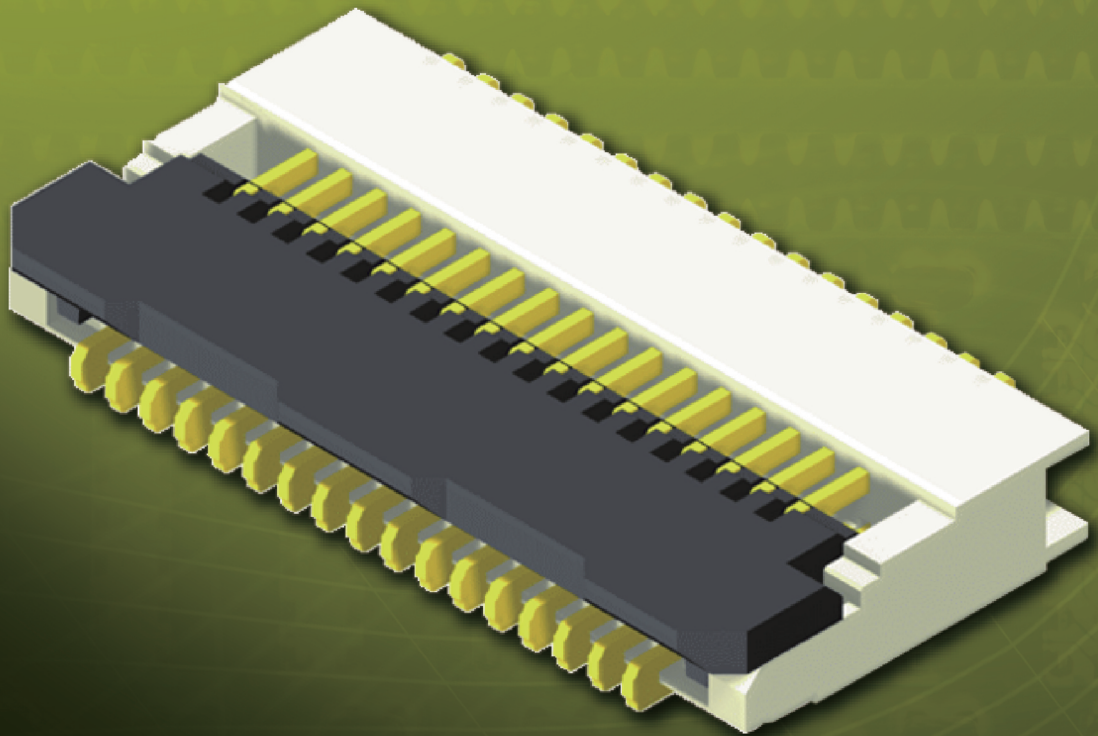
FPC / FFC Connectors

4-1~4-39

• FPC

4-40

• Flat Cable



AMTEK Technology Co., Ltd

CONNECTORS MANUFACTURER



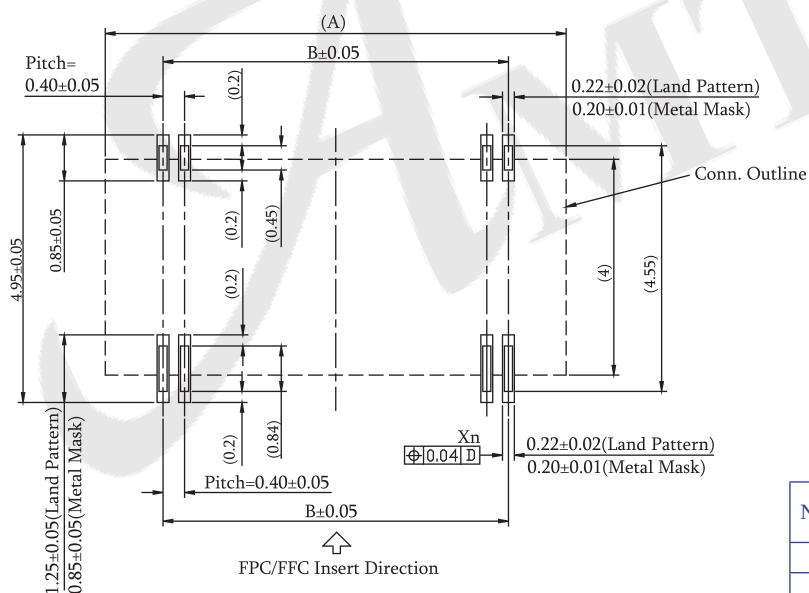
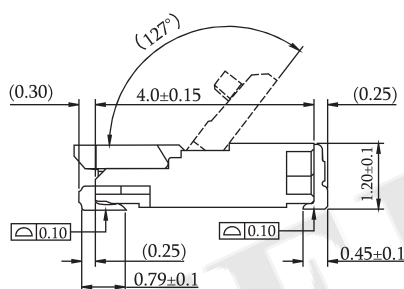
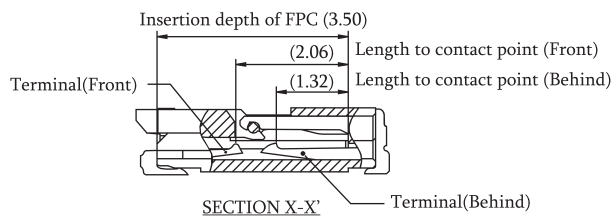
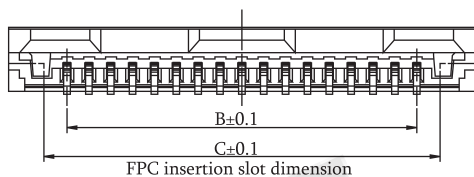
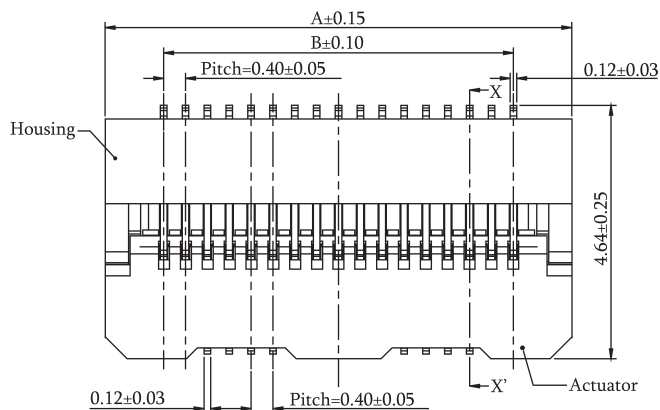
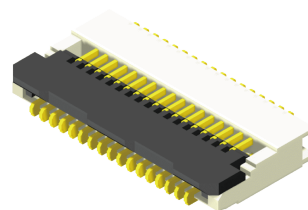
FPC/FFC 0.2mm ZIF SMT R/A Type Front Flip T=0.2mm H=1.2mm

Specifications

Current Rating: 0.25 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 120V AC for one minute
Operation Temperature: -55°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
60	13.74	11.60	12.47
80	17.74	15.60	16.47
100	21.74	19.60	20.47
120	25.74	23.60	24.47

ORDER INFORMATION

5 F C 9 A M R N C - X X

No. of Contacts
See Table

G 0

G0: Gold Flash

W

W: White

U

U: RoHS + Hi-Temp

H - 0 1

H: T/R W/O Cap

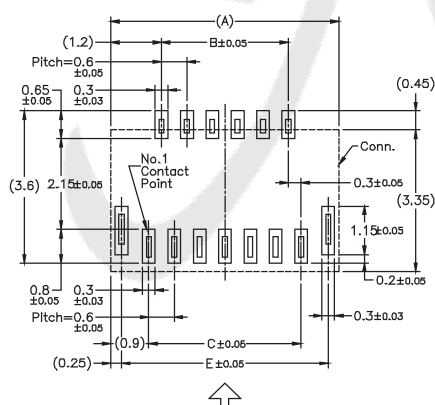
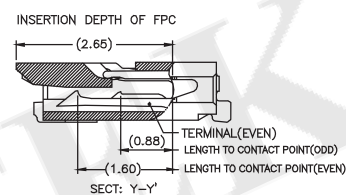
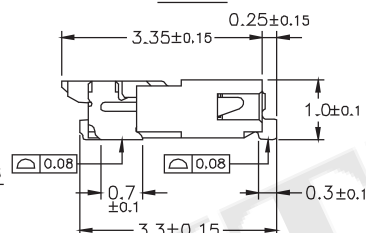
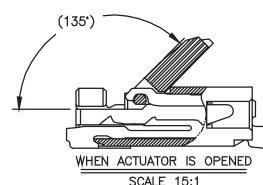
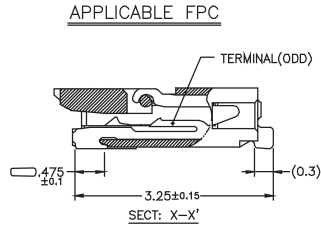
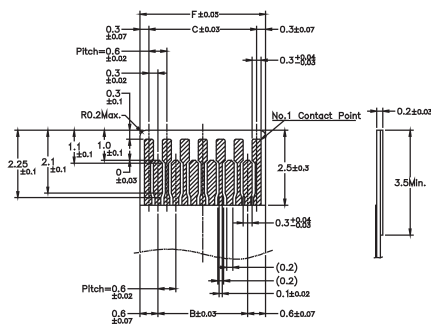
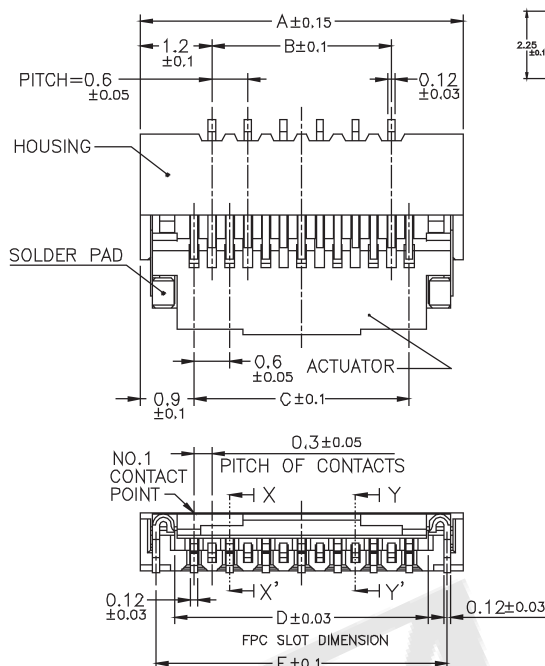
FPC/FFC 0.3mm ZIF SMT R/A Type Front Flip T=0.2mm H=1.2mm

Specifications

Current Rating: 0.2 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 40mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55 °C to +85 °C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

No. of Contacts	Dimensions					
	A	B	C	D	E	F
09	4.2	1.8	2.4	3.03	3.7	3.0
11	4.8	2.4	3.0	3.63	4.3	3.6
13	5.4	3.0	3.6	4.23	4.9	4.2
15	6.0	3.6	4.2	4.83	5.5	4.8
17	6.6	4.2	4.8	5.43	6.1	5.4
19	7.2	4.8	5.4	6.03	6.7	6.0
21	7.8	5.4	6.0	6.63	7.3	6.6
23	8.4	6.0	6.6	7.23	7.9	7.2
25	9.0	6.6	7.2	7.83	8.5	7.8
27	9.6	7.2	7.8	8.43	9.1	8.4
29	10.2	7.8	8.4	9.03	9.7	9.0
31	10.8	8.4	9.0	9.63	10.3	9.6
33	11.4	9.0	9.6	10.23	10.9	10.2
35	12.0	9.6	10.2	10.83	11.5	10.8
37	12.6	10.2	10.8	11.43	12.1	11.4
39	13.2	10.8	11.4	12.03	12.7	12.0
41	13.8	11.4	12.0	12.63	13.3	12.6
43	14.4	12.0	12.6	13.23	13.9	13.2
45	15.0	12.6	13.2	13.83	14.5	13.8
49	16.2	13.8	14.4	15.03	15.7	15.0
51	16.8	14.4	15.0	15.63	16.3	15.6
57	18.6	16.2	16.8	17.43	18.1	17.4
61	19.8	17.4	18.0	18.63	19.3	18.6
67	21.6	19.2	19.8	20.43	21.1	20.4
71	22.8	20.4	21.0	21.63	22.3	21.6

ORDER INFORMATION

5 F C 6 A M R N C - X X

No. of Contacts
See Table

G O

G0:Gold Flash

W

W: White

U

U:RoHS + Hi-Temp

H - 0 1

H:T/R W/O Cap

CONNECTORS MANUFACTURER

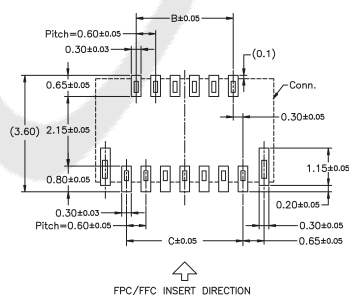
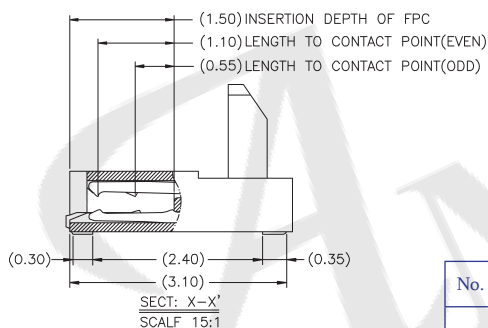
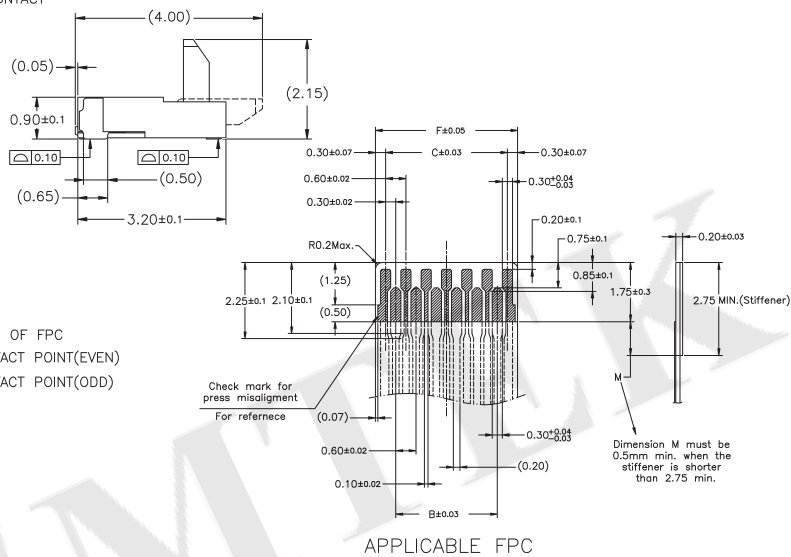
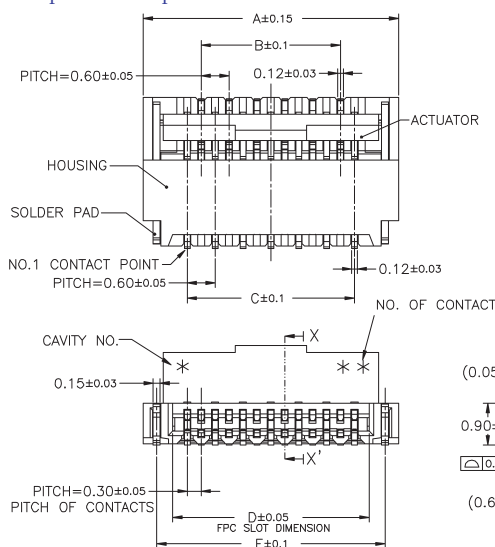
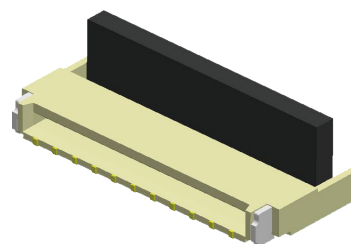
FPC/FFC 0.3mm ZIF SMT R/A Type Back Flip T=0.2mm H=0.9mm

Specifications

Current Rating: 0.2 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions					
	A	B	C	D	E	F
09	4.30	1.8	2.4	3.03	3.72	3.0
11	4.90	2.4	3.0	3.63	4.32	3.6
13	5.50	3.0	3.6	4.23	4.92	4.2
15	6.10	3.6	4.2	4.83	5.52	4.8
17	6.70	4.2	4.8	5.43	6.12	5.4
19	7.30	4.8	5.4	6.03	6.72	6.0
21	7.90	5.4	6.0	6.63	7.32	6.6
23	8.50	6.0	6.6	7.23	7.92	7.2
25	9.10	6.6	7.2	7.83	8.52	7.8
27	9.70	7.2	7.8	8.43	9.12	8.4
29	10.30	7.8	8.4	9.03	9.72	9.0
31	10.90	8.4	9.0	9.63	10.32	9.6
33	11.50	9.0	9.6	10.23	10.92	10.2
35	12.10	9.6	10.2	10.83	11.52	10.8
37	12.70	10.2	10.8	11.43	12.12	11.4
39	13.30	10.8	11.4	12.03	12.72	12.0
41	13.90	11.4	12.0	12.63	13.32	12.6
45	15.10	12.6	13.2	13.83	14.52	13.8
51	16.90	14.4	15.0	15.63	16.32	15.6
61	19.90	17.4	18.0	18.63	19.32	18.6

ORDER INFORMATION

5 F C 6 A M R C C - X X

No. of Contacts
See Table

G 0

G0:Gold Flash

W

W:White

U

U:RoHS + Hi-Temp

H - 0 1

H:T/R W/O Cap

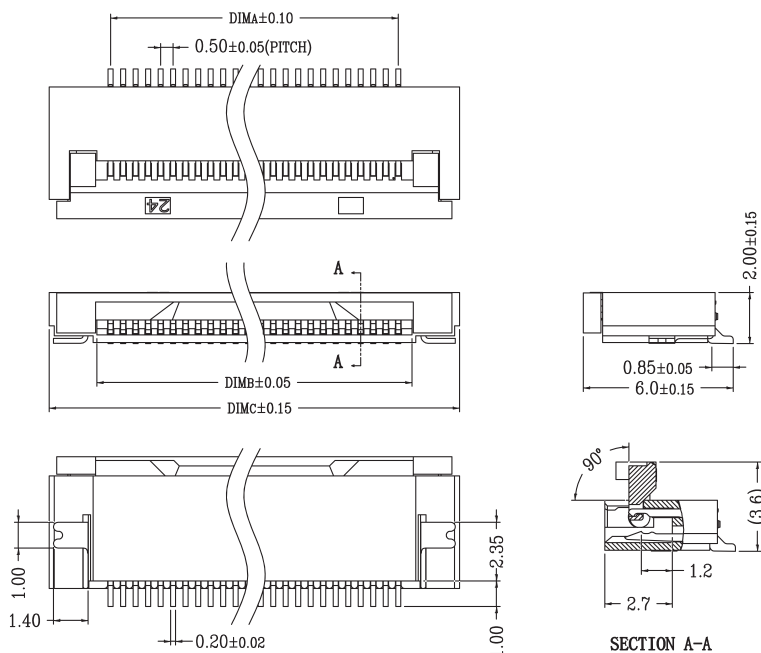
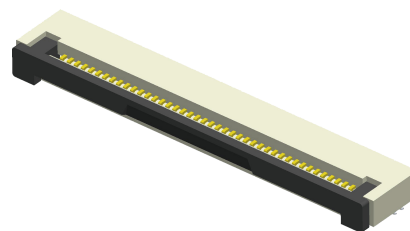
FPC/FFC 0.5mm ZIF SMT R/A Type Front Flip H=2.0mm

Specifications

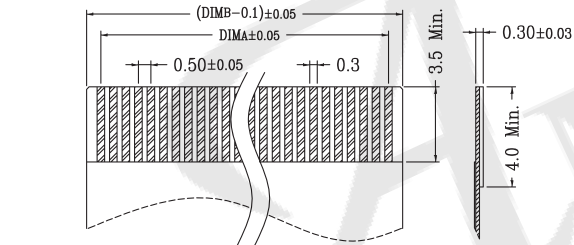
Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature: -25 C to +85 C

Material

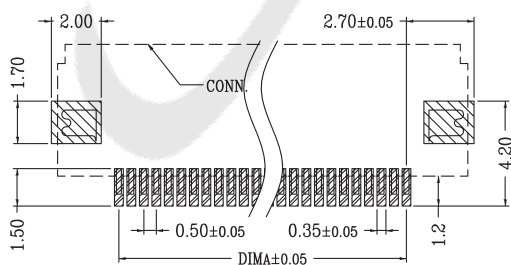
Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper Alloy
Fitting Nail: Copper Alloy



SECTION A-A



(Applicable Flat Cable)



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	1.50	2.60	6.40
05	2.00	3.10	6.90
06	2.50	3.60	7.40
07	3.00	4.10	7.90
08	3.50	4.60	8.40
09	4.00	5.10	8.90
10	4.50	5.60	9.40
11	5.00	6.10	9.90
12	5.50	6.60	10.40
13	6.00	7.10	10.90
14	6.50	7.60	11.40
15	7.00	8.10	11.90
16	7.50	8.60	12.40
17	8.00	9.10	12.90
18	8.50	9.60	13.40
19	9.00	10.10	13.90
20	9.50	10.60	14.40
21	10.00	11.10	14.90
22	10.50	11.60	15.40
23	11.00	12.10	15.90
24	11.50	12.60	16.40
25	12.00	13.10	16.90
26	12.50	13.60	17.40
27	13.00	14.10	17.90
28	13.50	14.60	18.40
29	14.00	15.10	18.90
30	14.50	15.60	19.40
31	15.00	16.10	19.90
32	15.50	16.60	20.40
33	16.00	17.10	20.90

No. of Contacts	Dimensions		
	A	B	C
34	16.50	17.60	21.40
35	17.00	18.10	21.90
36	17.50	18.60	22.40
37	18.00	19.10	22.90
38	18.50	19.60	23.40
39	19.00	20.10	23.90
40	19.50	20.60	24.40
41	20.00	21.10	24.90
42	20.50	21.60	25.40
43	21.00	22.10	25.90
44	21.50	22.60	26.40
45	22.00	23.10	26.90
46	22.50	23.60	27.40
47	23.00	24.10	27.90
48	23.50	24.60	28.40
49	24.00	25.10	28.90
50	24.50	25.60	29.40
51	25.00	26.10	29.90
52	25.50	26.60	30.40
53	26.00	27.10	30.90
54	26.50	27.60	31.40
55	27.00	28.10	31.90
56	27.50	28.60	32.40
57	28.00	29.10	32.90
58	28.50	29.60	33.40
59	29.00	30.10	33.90
60	29.50	30.60	34.40
61	30.00	31.10	34.90
64	31.50	32.60	36.40
65	32.00	33.10	36.90

ORDER INFORMATION

5 F C 4 A M R N R - X X

No. of Contacts
See Table

X X

G0:Gold Flash
TM:Matte Tin

W

W:Natural

U

U:RoHS + LCP

H - 0 1

H:T/R W/O Cap

CONNECTORS MANUFACTURER



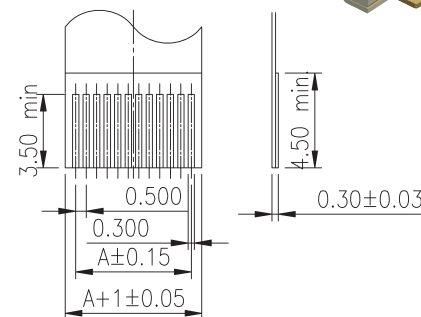
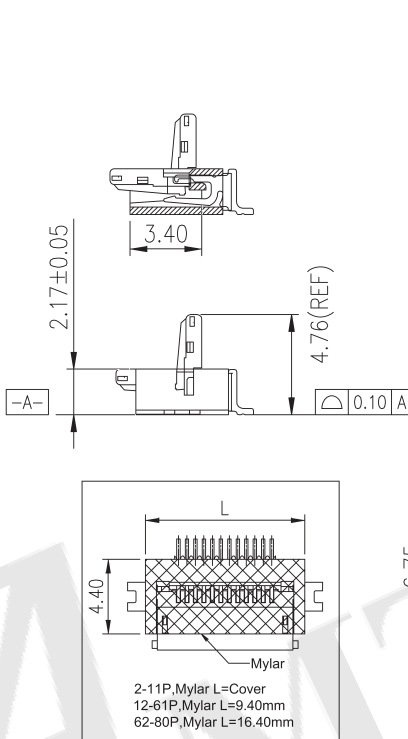
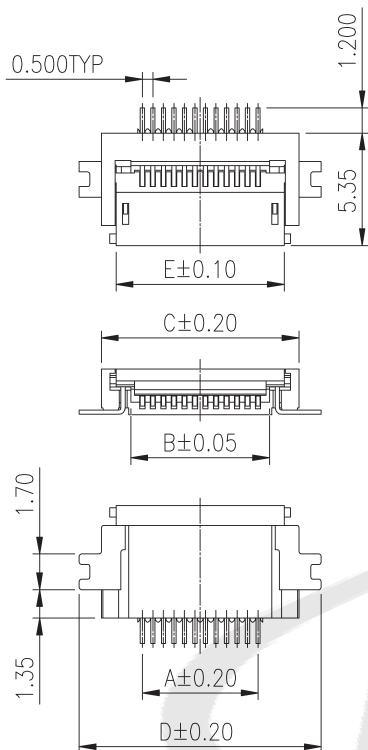
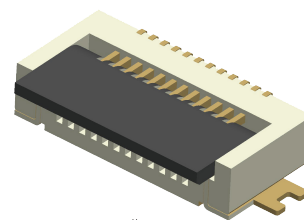
FPC/FFC 0.5mm ZIF SMT R/A Type Front Flip H=2.17mm

Specifications

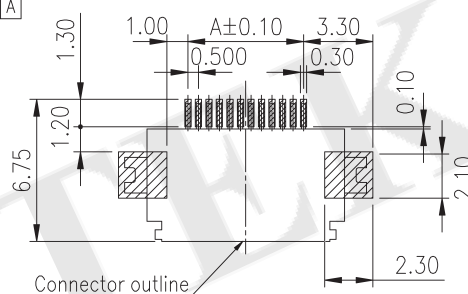
Current Rating: 0.4 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -20°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Applicable FPC/FFC
recommended dimension



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions				
	A	B	C	D	E
04	1.50	2.60	5.40	7.50	4.00
05	2.00	3.10	5.90	8.00	4.50
06	2.50	3.60	6.40	8.50	5.00
07	3.00	4.10	6.90	9.00	5.50
08	3.50	4.60	7.40	9.50	6.00
09	4.00	5.10	7.90	10.00	6.50
10	4.50	5.60	8.40	10.50	7.00
11	5.00	6.10	8.90	11.00	7.50
12	5.50	6.60	9.40	11.50	8.00
13	6.00	7.10	9.90	12.00	8.50
14	6.50	7.60	10.40	12.50	9.00
15	7.00	8.10	10.90	13.00	9.50
16	7.50	8.60	11.40	13.50	10.00
17	8.00	9.10	11.90	14.00	10.50
18	8.50	9.60	12.40	14.50	11.00
19	9.00	10.10	12.90	15.00	11.50
20	9.50	10.60	13.40	15.50	12.00
21	10.00	11.10	13.90	16.00	12.50
22	10.50	11.60	14.40	16.50	13.00
23	11.00	12.10	14.90	17.00	13.50

No. of Contacts	Dimensions				
	A	B	C	D	E
24	11.50	12.60	15.40	17.50	14.00
25	12.00	13.10	15.90	18.00	14.50
26	12.50	13.60	16.40	18.50	15.00
27	13.00	14.10	16.90	19.00	15.50
28	13.50	14.60	17.40	19.50	16.00
29	14.00	15.10	17.90	20.00	16.50
30	14.50	15.60	18.40	20.50	17.00
31	15.00	16.10	18.90	21.00	17.50
32	15.50	16.60	19.40	21.50	18.00
33	16.00	17.10	19.90	22.00	18.50
34	16.50	17.60	20.40	22.50	19.00
35	17.00	18.10	20.90	23.00	19.50
36	17.50	18.60	21.40	23.50	20.00
37	18.00	19.10	21.90	24.00	20.50
38	18.50	19.60	22.40	24.50	21.00
39	19.00	20.10	22.90	25.00	21.50
40	19.50	20.60	23.40	25.50	22.00
41	20.00	21.10	23.90	26.00	22.50
42	20.50	21.60	24.40	26.50	23.00
43	21.00	22.10	24.90	27.00	23.50

No. of Contacts	Dimensions				
	A	B	C	D	E
44	21.50	22.60	25.40	27.50	24.00
45	22.00	23.10	25.90	28.00	24.50
46	22.50	23.60	26.40	28.50	25.00
47	23.00	24.10	26.90	29.00	25.50
48	23.50	24.60	27.40	29.50	26.00
49	24.00	25.10	27.90	30.00	26.50
50	24.50	25.60	28.40	30.50	27.00
51	25.00	26.10	28.90	31.00	27.50
52	25.50	26.60	29.40	31.50	28.00
53	26.00	27.10	29.90	32.00	28.50
54	26.50	27.60	30.40	32.50	29.00
55	27.00	28.10	30.90	33.00	29.50
56	27.50	28.60	31.40	33.50	30.00
57	28.00	29.10	31.90	34.00	30.50
58	28.50	29.60	32.40	34.50	31.00
59	29.00	30.10	32.90	35.00	31.50
60	29.50	30.60	33.40	35.50	32.00
61	30.00	31.10	33.90	36.00	32.50
62	30.50	31.60	34.40	36.50	33.00
63	31.00	32.10	34.90	37.00	33.50

No. of Contacts	Dimensions				
	A	B	C	D	E
64	31.50	32.60	35.40	37.50	34.00
65	32.00	33.10	35.90	38.00	34.50
66	32.50	33.60	36.40	38.50	35.00
67	33.00	34.10	36.90	39.00	35.50
68	33.50	34.60	37.40	39.50	36.00
69	34.00	35.10	37.90	40.00	36.50
70	34.50	35.60	38.40	40.50	37.00
71	35.00	36.10	38.90	41.00	37.50
72	35.50	36.60	39.40	41.50	38.00
73	36.00	37.10	39.90	42.00	38.50
74	36.50	37.60	40.40	42.50	39.00
75	37.00	38.10	40.90	43.00	39.50
76	37.50	38.60	41.40	43.50	40.00
77	38.00	39.10	41.90	44.00	40.50
78	38.50	39.60	42.40	44.50	41.00
79	39.00	40.10	42.90	45.00	41.50
80	39.50	40.60	43.40	45.50	42.00

ORDER INFORMATION

5 F C 4 A M R N D - X X

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: White

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
H: T/R W/O Cap
M: T/R With Mylar

CONNECTORS MANUFACTURER

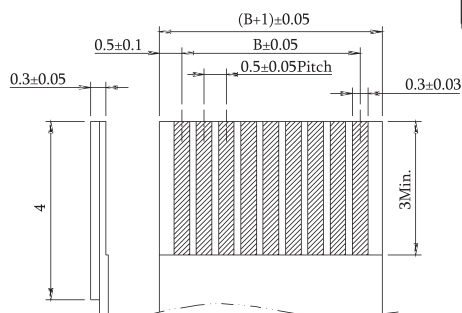
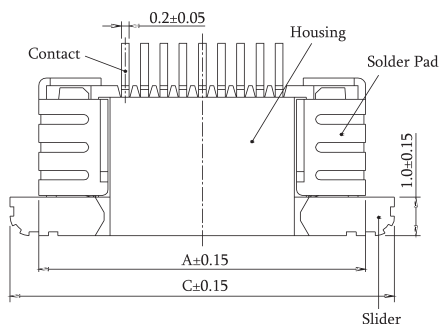
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

Specifications

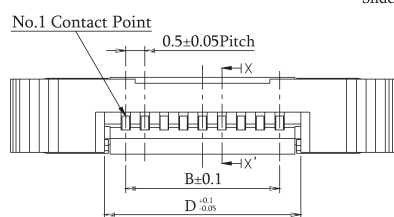
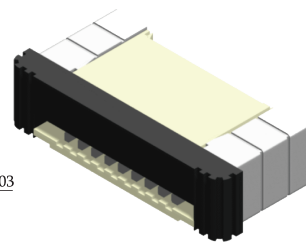
Current Rating: 0.4 AMP
Voltage Rating: 50V
Insulation Resistance: 50MΩ Min
Contact Resistance: 30mΩ Max
Dielectric voltage: 250V AC for one minute
Operation Temperature: -55°C to +85°C

Material

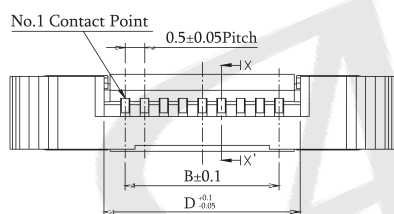
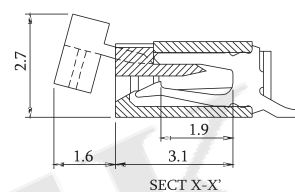
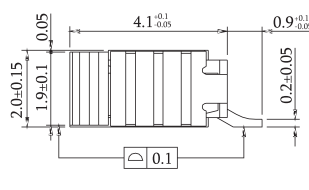
Insulator: LCP, UL 94V-0
Contact Pin: Phosphor Bronze



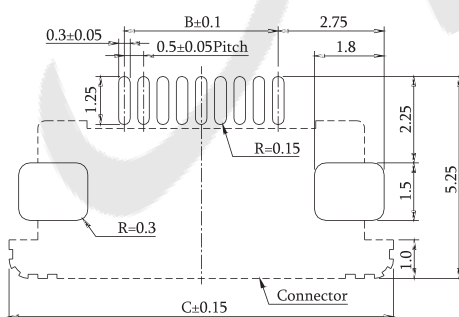
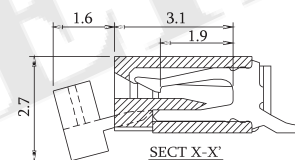
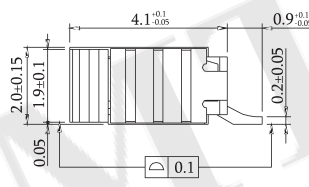
Applicable FPC



Bottom Contact



Upper Contact



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
04	6.0	1.5	7.5	2.6
05	6.5	2.0	8.0	3.1
06	7.0	2.5	8.5	3.6
07	7.5	3.0	9.0	4.1
08	8.0	3.5	9.5	4.6
09	8.5	4.0	10.0	5.1
10	9.0	4.5	10.5	5.6
11	9.5	5.0	11.0	6.1
12	10.0	5.5	11.5	6.6
13	10.5	6.0	12.0	7.1
14	11.0	6.5	12.5	7.6
15	11.5	7.0	13.0	8.1
16	12.0	7.5	13.5	8.6
17	12.5	8.0	14.0	9.1
18	13.0	8.5	14.5	9.6
19	13.5	9.0	15.0	10.1
20	14.0	9.5	15.5	10.6
21	14.5	10.0	16.0	11.1
22	15.0	10.5	16.5	11.6
23	15.5	11.0	17.0	12.1
24	16.0	11.5	17.5	12.6
25	16.5	12.0	18.0	13.1
26	17.0	12.5	18.5	13.6
27	17.5	13.0	19.0	14.1

No. of Contacts	Dimensions			
	A	B	C	D
28	18.0	13.5	19.5	14.6
29	18.5	14.0	20.0	15.1
30	19.0	14.5	20.5	15.6
31	19.5	15.0	21.0	16.1
32	20.0	15.5	21.5	16.6
33	20.5	16.0	22.0	17.1
34	21.0	16.5	22.5	17.6
35	21.5	17.0	23.0	18.1
36	22.0	17.5	23.5	18.6
37	22.5	18.0	24.0	19.1
38	23.0	18.5	24.5	19.6
39	23.5	19.0	25.0	20.1
40	24.0	19.5	25.5	20.6
41	24.5	20.0	26.0	21.1
42	25.0	20.5	26.5	21.6
43	25.5	21.0	27.0	22.1
44	26.0	21.5	27.5	22.6
45	26.5	22.0	28.0	23.1
46	27.0	22.5	28.5	23.6
47	27.5	23.0	29.0	24.1
48	28.0	23.5	29.5	24.6
49	28.5	24.0	30.0	25.1
50	29.0	24.5	30.5	25.6

ORDER INFORMATION

5 F P 4 A M R X C - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: Natural

U

U: RoHS + LCP

H - 0 1

H: T/R W/O Cap

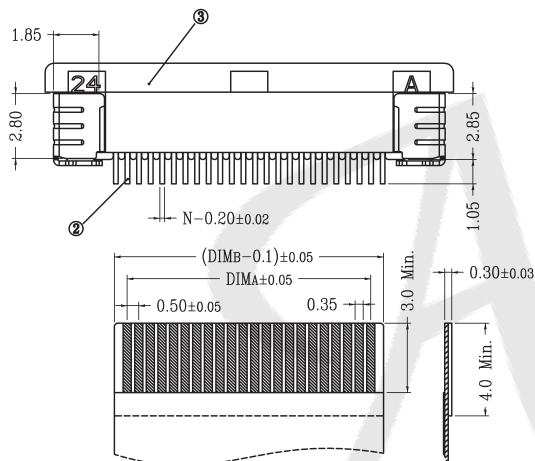
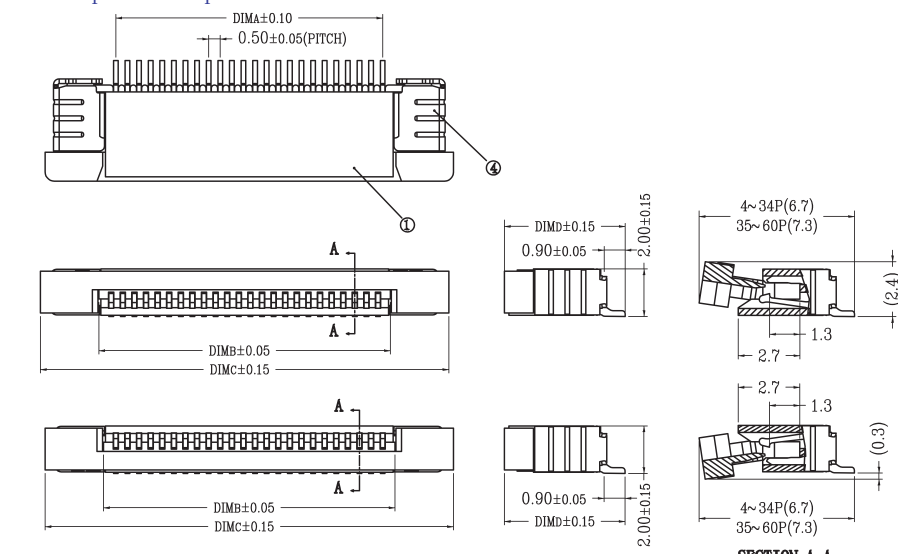
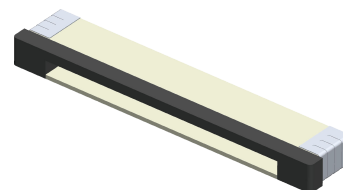
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

Specifications

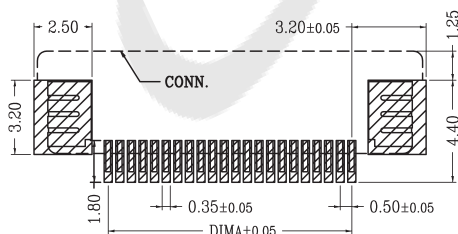
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25°C to +85°C

Material

Housing: LCP, Natural, UL 94V-0
Latch: LCP, Black, UL 94V-0
Contact Pin: Copper Alloy



(Applicable Flat Cable)



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
04	1.50	2.56	7.60	5.20
05	2.00	3.06	8.10	
06	2.50	3.56	8.60	
07	3.00	4.06	9.10	
08	3.50	4.56	9.60	
09	4.00	5.06	10.10	
10	4.50	5.56	10.60	
11	5.00	6.06	11.10	
12	5.50	6.56	11.60	
13	6.00	7.06	12.10	
14	6.50	7.56	12.60	
15	7.00	8.06	13.10	
16	7.50	8.56	13.60	
17	8.00	9.06	14.10	
18	8.50	9.56	14.60	
19	9.00	10.06	15.10	
20	9.50	10.56	15.60	
21	10.00	11.06	16.10	
22	10.50	11.56	16.60	
23	11.00	12.06	17.10	
24	11.50	12.56	17.60	
25	12.00	13.06	18.10	
26	12.50	13.56	18.60	
27	13.00	14.06	19.10	
28	13.50	14.56	19.60	
29	14.00	15.06	20.10	
30	14.50	15.56	20.60	
31	15.00	16.06	21.10	
32	15.50	16.56	21.60	
33	16.00	17.06	22.10	
34	16.50	17.56	22.60	

No. of Contacts	Dimensions			
	A	B	C	D
35	17.00	18.06	23.10	5.75
36	17.50	18.56	23.60	
37	18.00	19.06	24.10	
38	18.50	19.56	24.60	
39	19.00	20.06	25.10	
40	19.50	20.56	25.60	
41	20.00	21.06	26.10	
42	20.50	21.56	26.60	
43	21.00	22.06	27.10	
44	21.50	22.56	27.60	
45	22.00	23.06	28.10	
46	22.50	23.56	28.60	
47	23.00	24.06	29.10	
48	23.50	24.56	29.60	
49	24.00	25.06	30.10	
50	24.50	25.56	30.60	
51	25.00	26.06	31.10	
52	25.50	26.56	31.60	
53	26.00	27.06	32.10	
54	26.50	27.56	32.60	
55	27.00	28.06	33.10	
56	27.50	28.56	33.60	
57	28.00	29.06	34.10	
58	28.50	29.56	34.60	
59	29.00	30.06	35.10	
60	29.50	30.56	35.60	

ORDER INFORMATION

5	F	P	4	A	M	R	X	R	-	X	X	X	X	W	U	H	-	0	1
						B:Bottom Contact U:Upper Contact		No. of Contacts See Table		G0:Gold Flash TM:Matte Tin		W:Natural		U:RoHS + LCP		H:T/R W/O Cap			

CONNECTORS MANUFACTURER

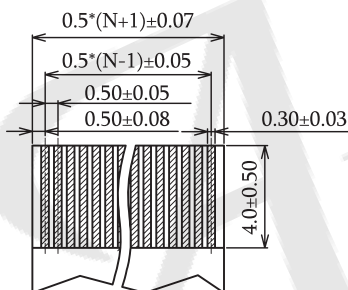
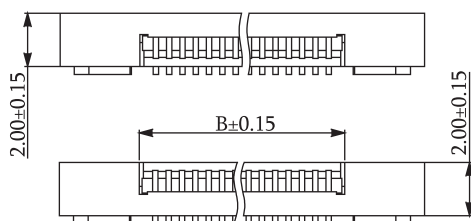
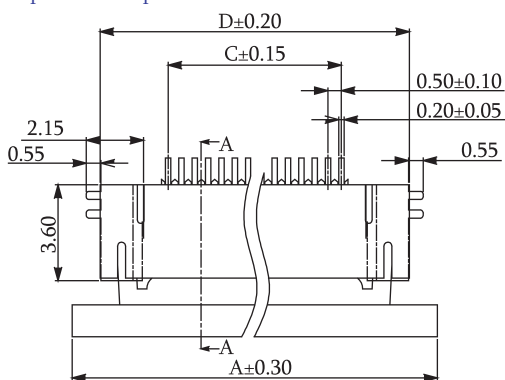
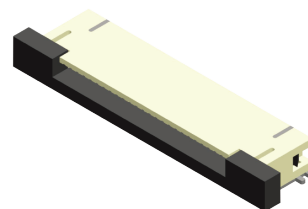
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm

Specifications

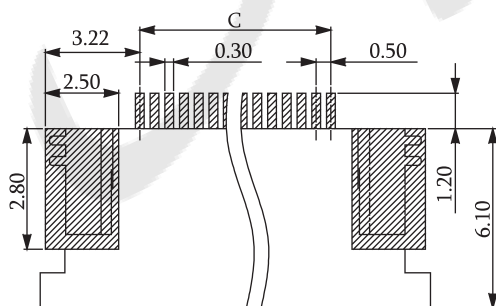
Current Rating: 0.5 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -20°C to +85°C

Material

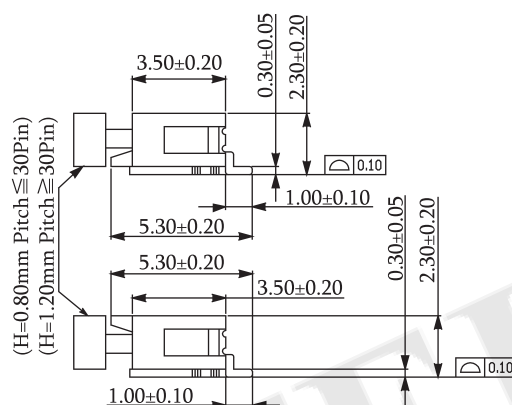
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



FPC/FFC T=0.30±0.03mm



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



No. of Contacts	Dimensions			
	A	B	C	D
04	8.7	2.7	1.5	6.6
05	9.2	3.2	2.0	7.1
06	9.7	3.7	2.5	7.6
08	10.7	4.7	3.5	8.6
09	11.2	5.2	4.0	9.1
10	11.7	5.7	4.5	9.6
11	12.2	6.2	5.0	10.1
12	12.7	6.7	5.5	10.6
13	13.2	7.2	6.0	11.1
14	13.7	7.7	6.5	11.6
15	14.2	8.2	7.0	12.1
16	14.7	8.7	7.5	12.6
17	15.2	9.2	8.0	13.1
18	15.7	9.7	8.5	13.6
19	16.2	10.2	9.0	14.1
20	16.7	10.7	9.5	14.6
21	17.2	11.2	10.0	15.1
22	17.7	11.7	10.5	15.6
23	18.2	12.2	11.0	16.1
24	18.7	12.7	11.5	16.6
25	19.2	13.2	12.0	17.1
26	19.7	13.7	12.5	17.6
27	20.2	14.2	13.0	18.1
28	20.7	14.7	13.5	18.6
29	21.2	15.2	14.0	19.1
30	21.7	15.7	14.5	19.6
31	22.2	16.2	15.0	20.1

No. of Contacts	Dimensions			
	A	B	C	D
32	22.7	16.7	15.5	20.6
33	23.2	17.2	16.0	21.1
34	23.7	17.7	16.5	21.6
35	24.2	18.2	17.0	22.1
36	24.7	18.7	17.5	22.6
37	25.2	19.2	18.0	23.1
38	25.7	19.7	18.5	23.6
39	26.2	20.2	19.0	24.1
40	26.7	20.7	19.5	24.6
41	27.2	21.2	20.0	25.1
42	27.7	21.7	20.5	25.6
43	28.2	22.2	21.0	26.1
44	28.7	22.7	21.5	26.6
45	29.2	23.2	22.0	27.1
46	29.7	23.7	22.5	27.6
48	30.7	24.7	23.5	28.6
50	31.7	25.7	24.5	29.6
51	32.2	26.2	25.0	30.1
53	33.2	27.2	26.0	31.1
54	33.7	27.7	26.5	31.6
55	34.2	28.2	27.0	32.1
56	34.7	28.7	27.5	32.6
57	35.2	29.2	28.0	33.1
59	36.2	30.2	29.0	34.1
60	36.7	30.7	29.5	34.6
61	37.2	31.2	30	35.1

ORDER INFORMATION

5 F P 4 A M R X D - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: Natural

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
H: T/R W/O Cap

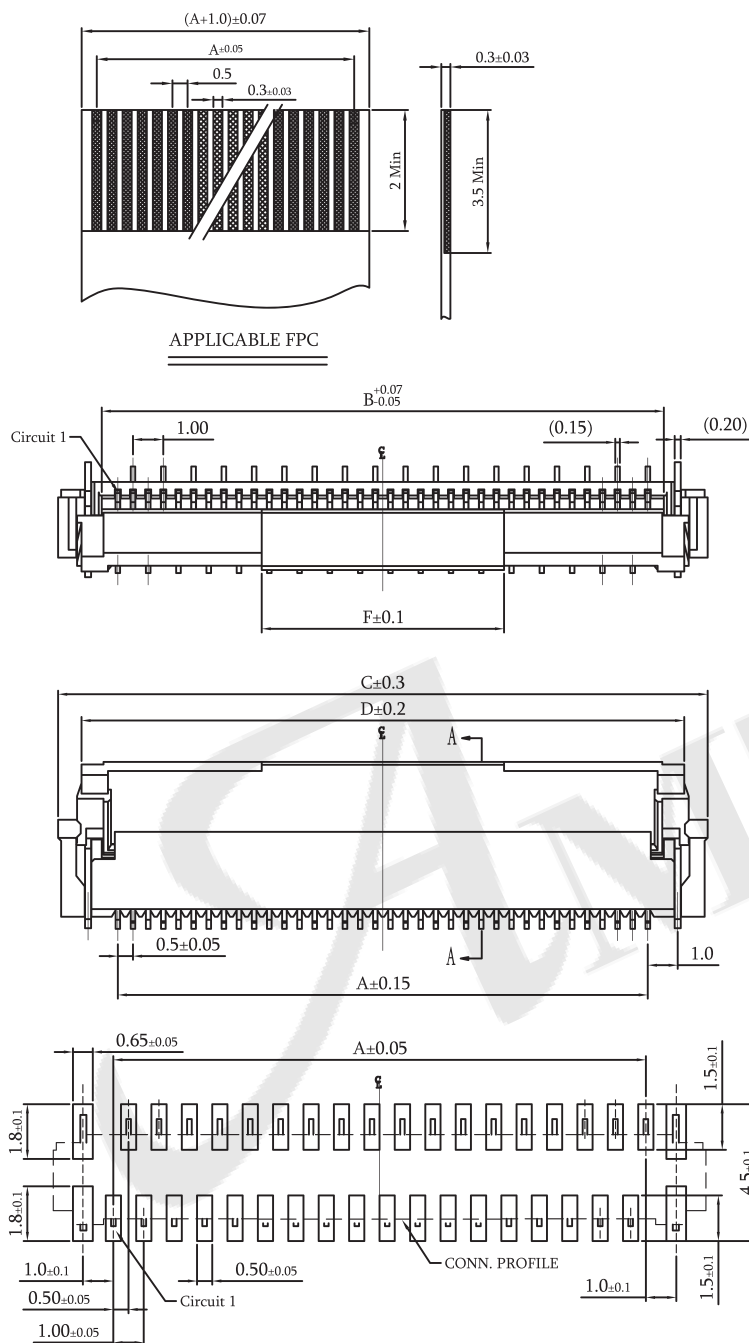
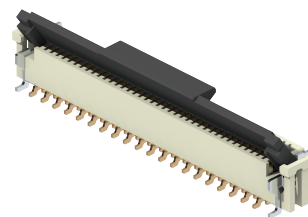
FPC/FFC 0.5mm ZIF SMT Vertical Type Flip H=5.5mm

Specifications

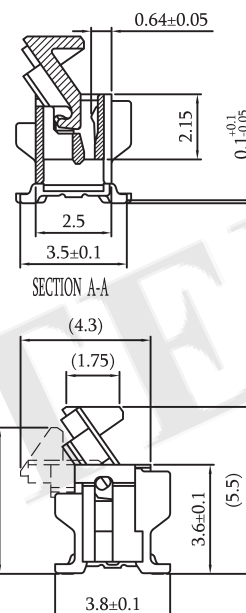
Insulator Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 200V AC for one minute
Operation Temperature: -40°C ~ +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



No. of Contacts	Dimensions				
	A	B	C	D	F
08	3.5	4.6	7.5	5.9	4
09	4	5.1	8	6.4	4
10	4.5	5.6	8.5	6.9	4
12	5.5	6.6	9.5	7.9	4
14	6.5	7.6	10.5	8.9	4
16	7.5	8.6	11.5	9.9	4
24	11.5	12.6	15.5	13.9	8
30	14.5	15.6	18.5	16.9	8
32	15.5	16.6	19.5	17.9	8
36	17.5	18.6	21.5	19.9	8
40	19.5	20.6	23.5	21.9	8
50	24.5	25.6	28.5	26.9	8
60	29.5	30.6	33.5	31.9	8

ORDER INFORMATION

5 F C 4 A M S A M - X X

No. of Contacts
See Table

G 0

G0:Gold Flash

W

W:Natural

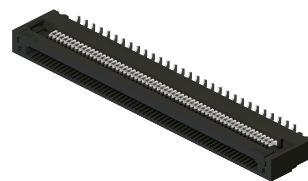
U

U:RoHS + Hi-Temp

H - 0 1

H:T/R W/O Cap

Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy



No. of Contacts	Dimensions		
	A	B	C
06	2.5	3.6	7.8
08	3.5	4.6	8.8
10	4.5	5.6	9.8
12	5.5	6.6	10.8
14	6.5	7.6	11.8
15	7.0	8.1	12.3
18	8.5	9.6	13.8
20	9.5	10.6	14.8
22	10.5	11.6	15.8
24	11.5	12.6	16.8
26	12.5	13.6	17.8
30	14.5	15.6	19.8
36	17.5	18.6	22.8
40	19.5	20.6	24.8
45	22.0	23.1	27.3
50	24.5	25.6	29.8
55	27.0	28.1	32.3
60	29.5	30.6	34.8
70	34.5	35.6	39.8

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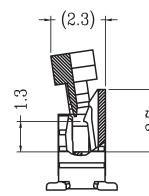
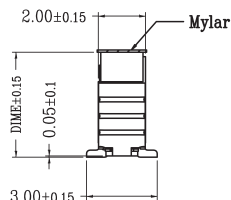
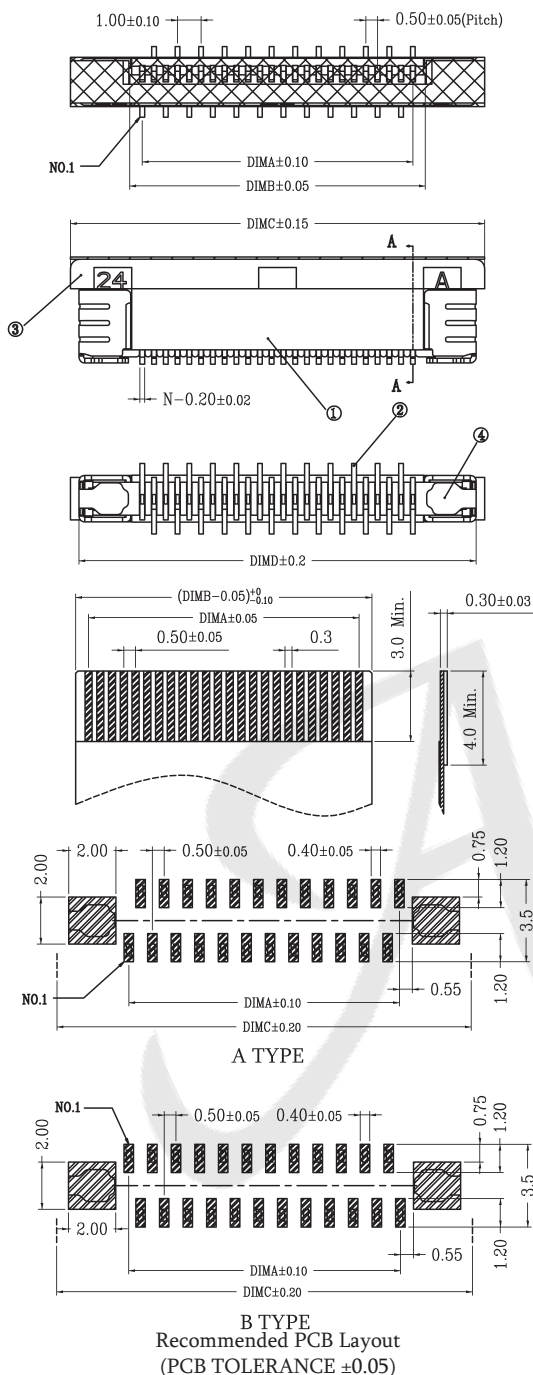
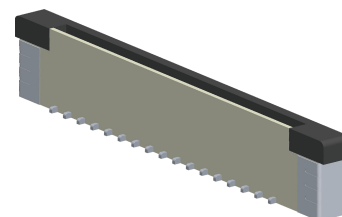
FPC/FFC 0.5mm ZIF SMT Vertical Type Slider H=4.45/5.0mm

Specifications

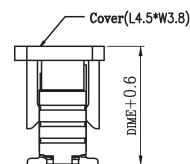
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25°C to +85°C

Material

Housing: LCP, Natural, UL 94V-0
Latch: LCP, Black, UL 94V-0
Contact Pin: Copper Alloy



SECTION A-A



With cover (6—34Pin)

No. of Contacts	Dimensions			
	A	B	C	D
04	1.50	2.56	7.60	4.45
05	2.00	3.06	8.10	
06	2.50	3.56	8.60	
07	3.00	4.06	9.10	
08	3.50	4.56	9.60	
09	4.00	5.06	10.10	
10	4.50	5.56	10.60	
11	5.00	6.06	11.10	
12	5.50	6.56	11.60	
13	6.00	7.06	12.10	
14	6.50	7.56	12.60	
15	7.00	8.06	13.10	
16	7.50	8.56	13.60	
17	8.00	9.06	14.10	
18	8.50	9.56	14.60	
19	9.00	10.06	15.10	
20	9.50	10.56	15.60	
21	10.00	11.06	16.10	
22	10.50	11.56	16.60	
23	11.00	12.06	17.10	
24	11.50	12.56	17.60	
25	12.00	13.06	18.10	
26	12.50	13.56	18.60	
27	13.00	14.06	19.10	
28	13.50	14.56	19.60	
29	14.00	15.06	20.10	
30	14.50	15.56	20.60	
31	15.00	16.06	21.10	
32	15.50	16.56	21.60	
33	16.00	17.06	22.10	
34	16.50	17.56	22.60	

No. of Contacts	Dimensions			
	A	B	C	D
35	17.00	18.06	23.10	5.00
36	17.50	18.56	23.60	
37	18.00	19.06	24.10	
38	18.50	19.56	24.60	
39	19.00	20.06	25.10	
40	19.50	20.56	25.60	
41	20.00	21.06	26.10	
42	20.50	21.56	26.60	
43	21.00	22.06	27.10	
44	21.50	22.56	27.60	
45	22.00	23.06	28.10	
46	22.50	23.56	28.60	
47	23.00	24.06	29.10	
48	23.50	24.56	29.60	
49	24.00	25.06	30.10	
50	24.50	25.56	30.60	
51	25.00	26.06	31.10	
52	25.50	26.56	31.60	
53	26.00	27.06	32.10	
54	26.50	27.56	32.60	
55	27.00	28.06	33.10	
56	27.50	28.56	33.60	
57	28.00	29.06	34.10	
58	28.50	29.56	34.60	
59	29.00	30.06	35.10	
60	29.50	30.56	35.60	

ORDER INFORMATION

5 F P 4 A M S X R - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

X X

G0: Gold Flash
TM: Matte Tin

W

W: Natural

U

U: RoHS + LCP

X - 0 1

R: T/R With Cap
M: T/R With Mylar

CONNECTORS MANUFACTURER

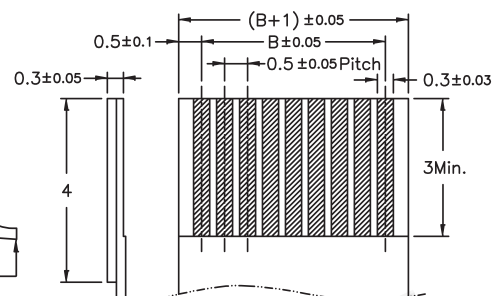
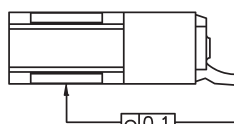
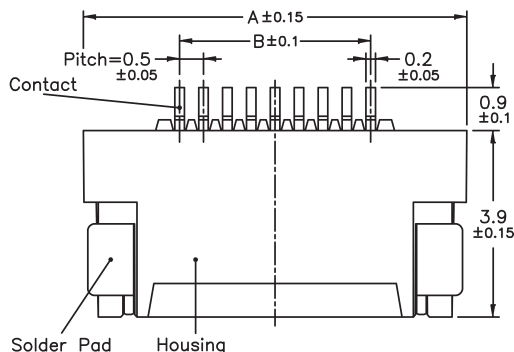
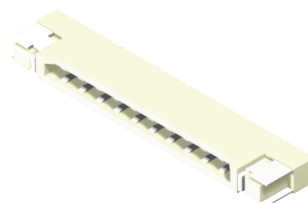
FPC/FFC 0.5mm Non-ZIF SMT R/A Type H=1.5mm

Specifications

Current Rating: 0.4 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55°C to +85°C

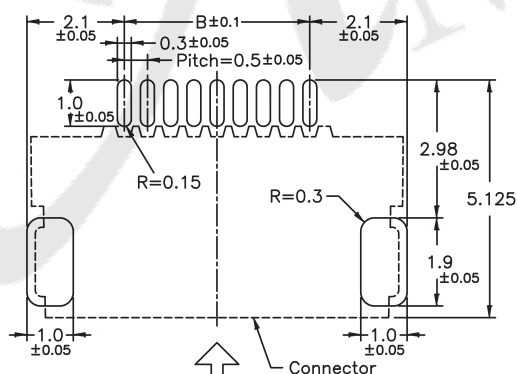
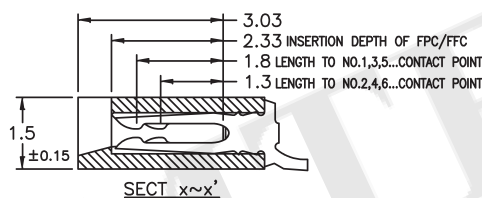
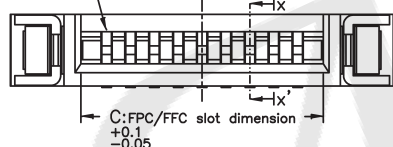
Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Applicable FPC

No.1 Contact Point



FPC/FFC INSERT DIRECTION
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	5.53	1.5	2.57
06	6.53	2.5	3.57
08	7.53	3.5	4.57
10	8.53	4.5	5.57
12	9.53	5.5	6.57
14	10.53	6.5	7.57
16	11.53	7.5	8.57
18	12.53	8.5	9.57
20	13.53	9.5	10.57
24	15.53	11.5	12.57
26	16.53	12.5	13.57
30	18.53	14.5	15.57
40	23.53	19.5	20.57
50	28.53	24.5	25.57
54	30.53	26.5	27.57
60	33.53	29.5	30.57

ORDER INFORMATION

5 F P 4 B M R N C - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

W

W: White

U

U: RoHS + Hi-Temp

H - 0 1

H: T/R W/O Cap

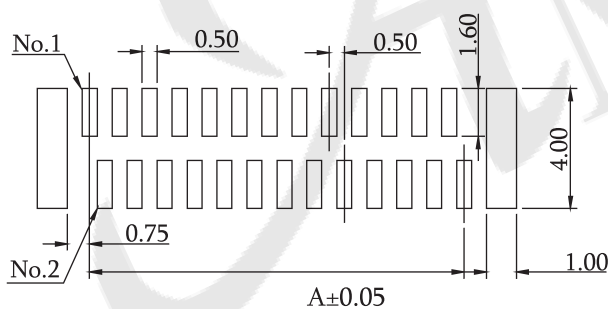
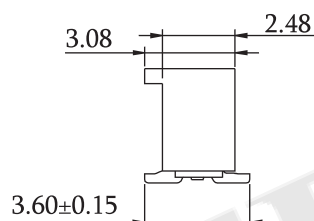
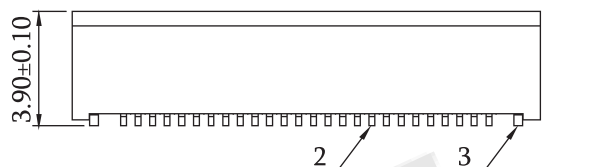
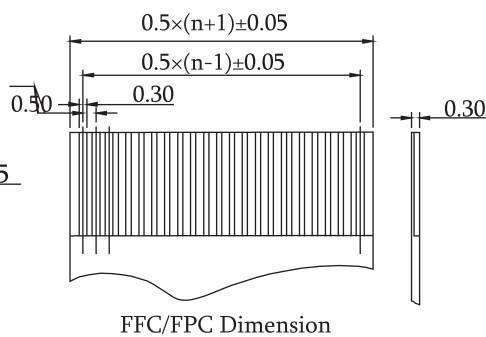
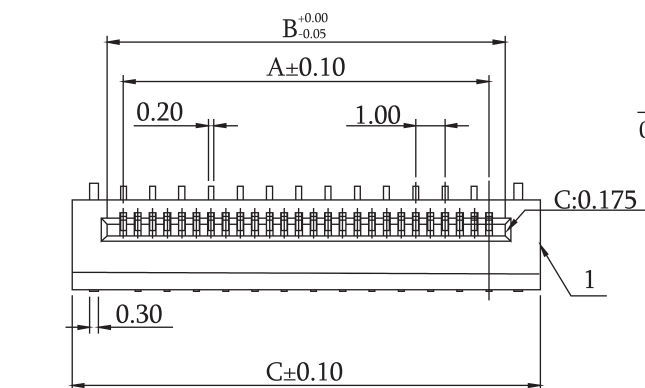
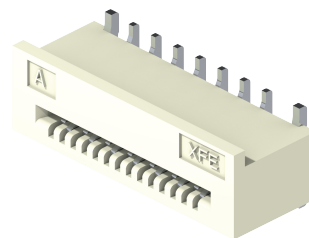
FPC/FFC 0.5mm Non-ZIF SMT Vertical Type H=3.9mm

Specifications

Voltage Rating: 50V AC/DC
Insulator Resistance: 50MΩ Min.
Contact Resistance: 40mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25°C ~ +85°C

Material

Insulator: PA46, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	1.5	2.6	5.0
05	2.0	3.1	5.5
06	2.5	3.6	6.0
07	3.0	4.1	6.5
08	3.5	4.6	7.0
09	4.0	5.1	7.5
10	4.5	5.6	8.0
11	5.0	6.1	8.5
12	5.5	6.6	9.0
13	6.0	7.1	9.5
14	6.5	7.6	10.0
15	7.0	8.1	10.5
16	7.5	8.6	11.0
17	8.0	9.1	11.5
18	8.5	9.6	12.0
19	9.0	10.1	12.5
20	9.5	10.6	13.0
21	10.0	11.1	13.5
22	10.5	11.6	14.0

No. of Contacts	Dimensions		
	A	B	C
23	11.0	12.1	14.5
24	11.5	12.6	15.0
25	12.0	13.1	15.5
26	12.5	13.6	16.0
27	13.0	14.1	16.5
28	13.5	14.6	17.0
29	14.0	15.1	17.5
30	14.5	15.6	18.0
31	15.0	16.1	18.5
32	15.5	16.6	19.0
33	16.0	17.1	19.5
34	16.5	17.6	20.0
35	17.0	18.1	20.5
36	17.5	18.6	21.0
37	18.0	19.1	21.5
38	18.5	19.6	22.0
39	19.0	20.1	22.5
40	19.5	20.6	23.0

ORDER INFORMATION

5 F P 4 B M S M M - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

W

W: Natural

U

U: RoHS + PA46

T - 0 1

T: Tube W/O Cap

CONNECTORS MANUFACTURER



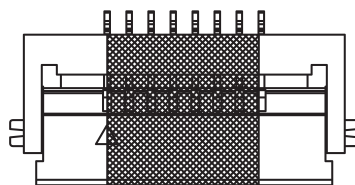
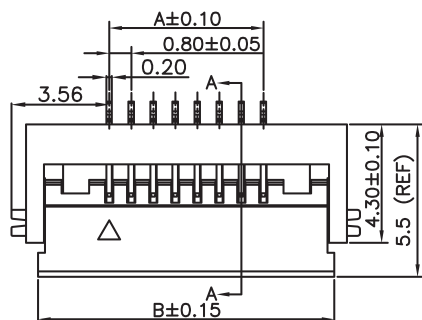
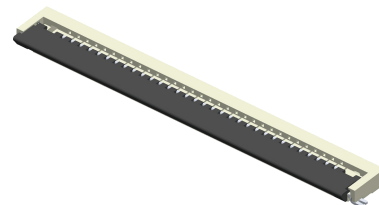
FPC/FFC 0.8mm ZIF SMT R/A Type Front Flip H=1.5mm

Specifications

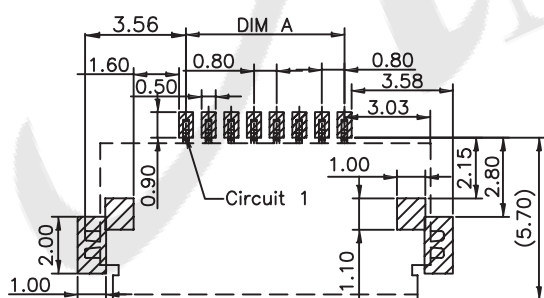
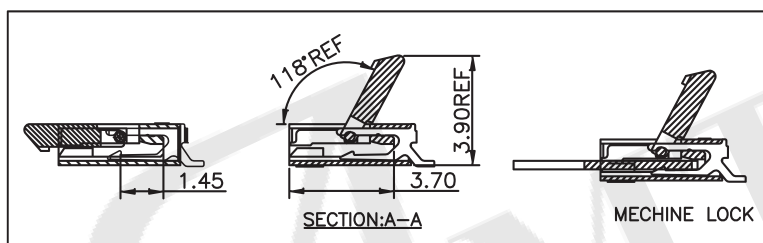
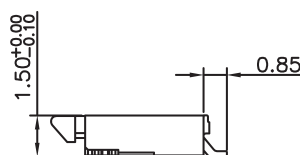
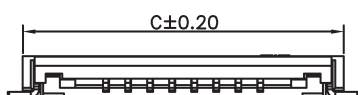
Current Rating: 0.5 AMP
Voltage Rating: 50V AC,DC
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25 °C to +85 °C

Material

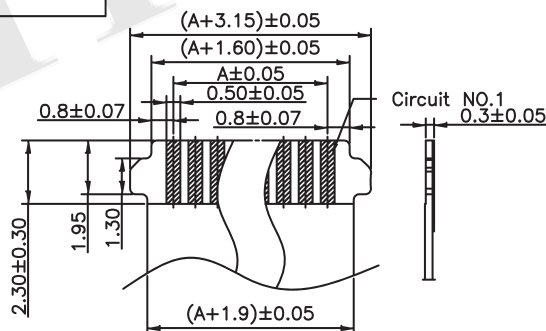
Insulator: Hi-Temp. Thermoplastic, UL 94V-0, Black
Contact Pin: Copper Alloy



With Mylar



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)



RECOMMENDED FFC/FPC DIMENSION
FPC THICKNESS=0.30±0.03

No. of Contacts	Dimensions		
	A	B	C
24	18.40	23.56	24.46
26	20.00	25.16	26.06
30	23.20	28.36	29.26
32	24.80	29.96	30.86

ORDER INFORMATION

5 F C 8 A M R N A - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

W

W: White

U

U: RoHS + Hi-Temp

M - 0 1

M: T/R With Mylar

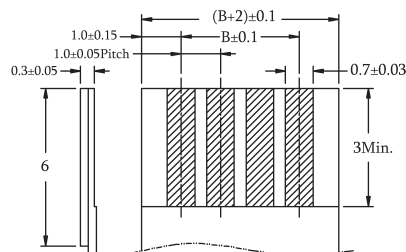
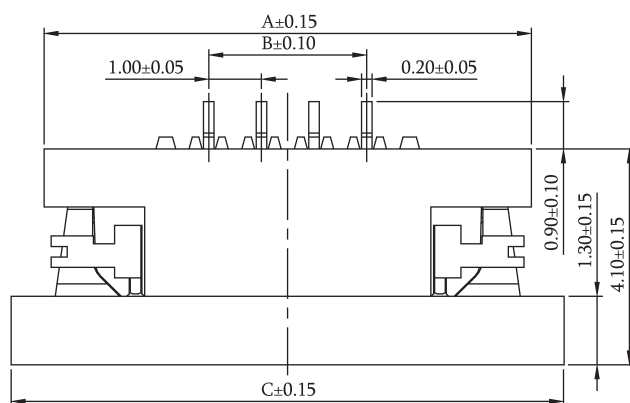
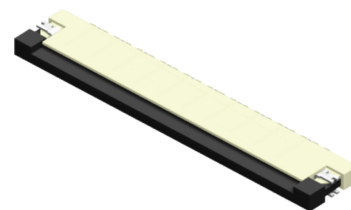
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=1.2mm

Specifications

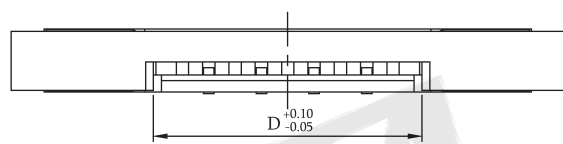
Current Rating: 0.5 AMP
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +85°C

Material

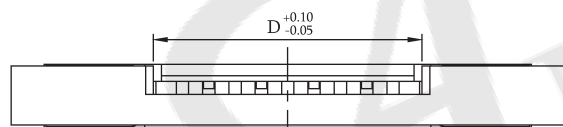
Insulator: LCP(Halogen Free), UL 94V-0
Contact Pin: Phosphor Bronze



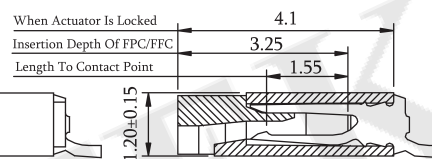
Applicable FPC



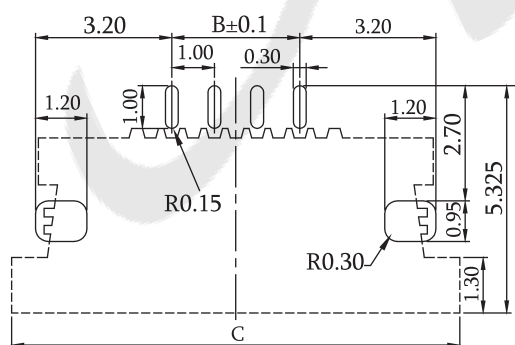
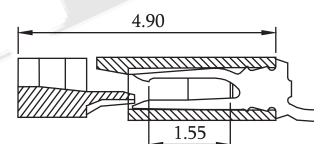
Bottom Contact



Upper Contact



When Actuator Is Locked
Insertion Depth Of FPC/FFC
Length To Contact Point



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
04	9.25	3.0	10.5	5.1
05	10.25	4.0	11.5	6.1
06	11.25	5.0	12.5	7.1
07	12.25	6.0	13.5	8.1
08	13.25	7.0	14.5	9.1
10	15.25	9.0	16.5	11.1
12	17.25	11.0	18.5	13.1
14	19.25	13.0	20.5	15.1
16	21.25	15.0	22.5	17.1
18	23.25	17.0	24.5	19.1
20	25.25	19.0	26.5	21.1
24	29.25	23.0	30.5	25.1

ORDER INFORMATION

5 F S 3 A M R X C - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: White

U

U: RoHS + LCP

H - 0 1

H: T/R W/O Cap

CONNECTORS MANUFACTURER

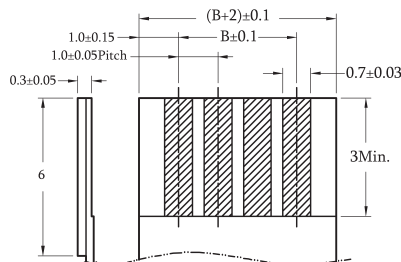
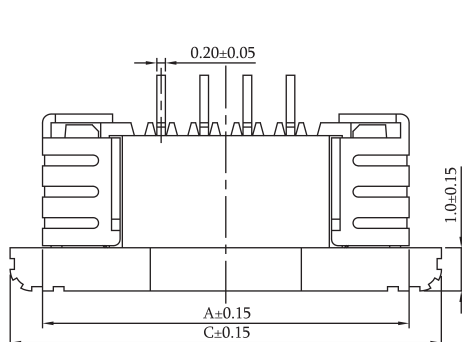
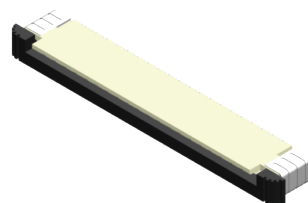
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

Specifications

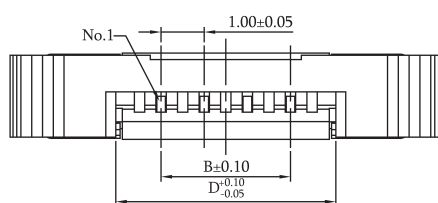
Current Rating: 0.5 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +85°C

Material

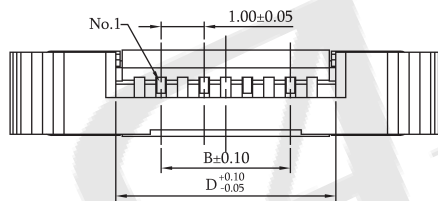
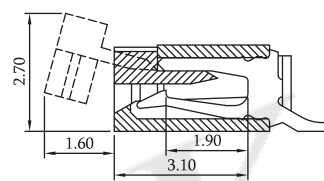
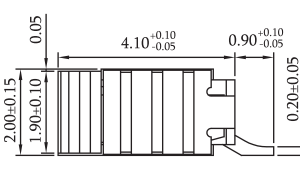
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



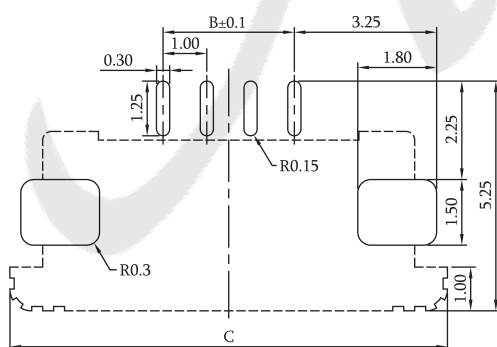
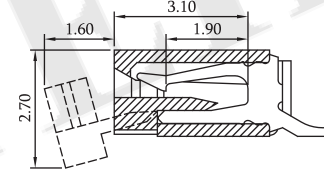
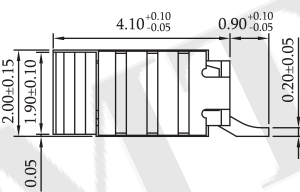
Applicable FPC



Bottom Contact



Upper Contact



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
04	8.5	3.0	10.0	5.1
05	9.5	4.0	11.0	6.1
06	10.5	5.0	12.0	7.1
07	11.5	6.0	13.0	8.1
08	12.5	7.0	14.0	9.1
09	13.5	8.0	15.0	10.1
10	14.5	9.0	16.0	11.1
11	15.5	10.0	17.0	12.1
12	16.5	11.0	18.0	13.1
13	17.5	12.0	19.0	14.1
14	18.5	13.0	20.0	15.1
15	19.5	14.0	21.0	16.1
16	20.5	15.0	22.0	17.1
17	21.5	16.0	23.0	18.1
18	22.5	17.0	24.0	19.1
19	23.5	18.0	25.0	20.1
20	24.5	19.0	26.0	21.1
21	25.5	20.0	27.0	22.1
22	26.5	21.0	28.0	23.1
23	27.5	22.0	29.0	24.1
24	28.5	23.0	30.0	25.1

ORDER INFORMATION

5 F P 3 A M R X C - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: White

U

U: RoHS + Hi-Temp

H - 0 1

H: T/R W/O Cap

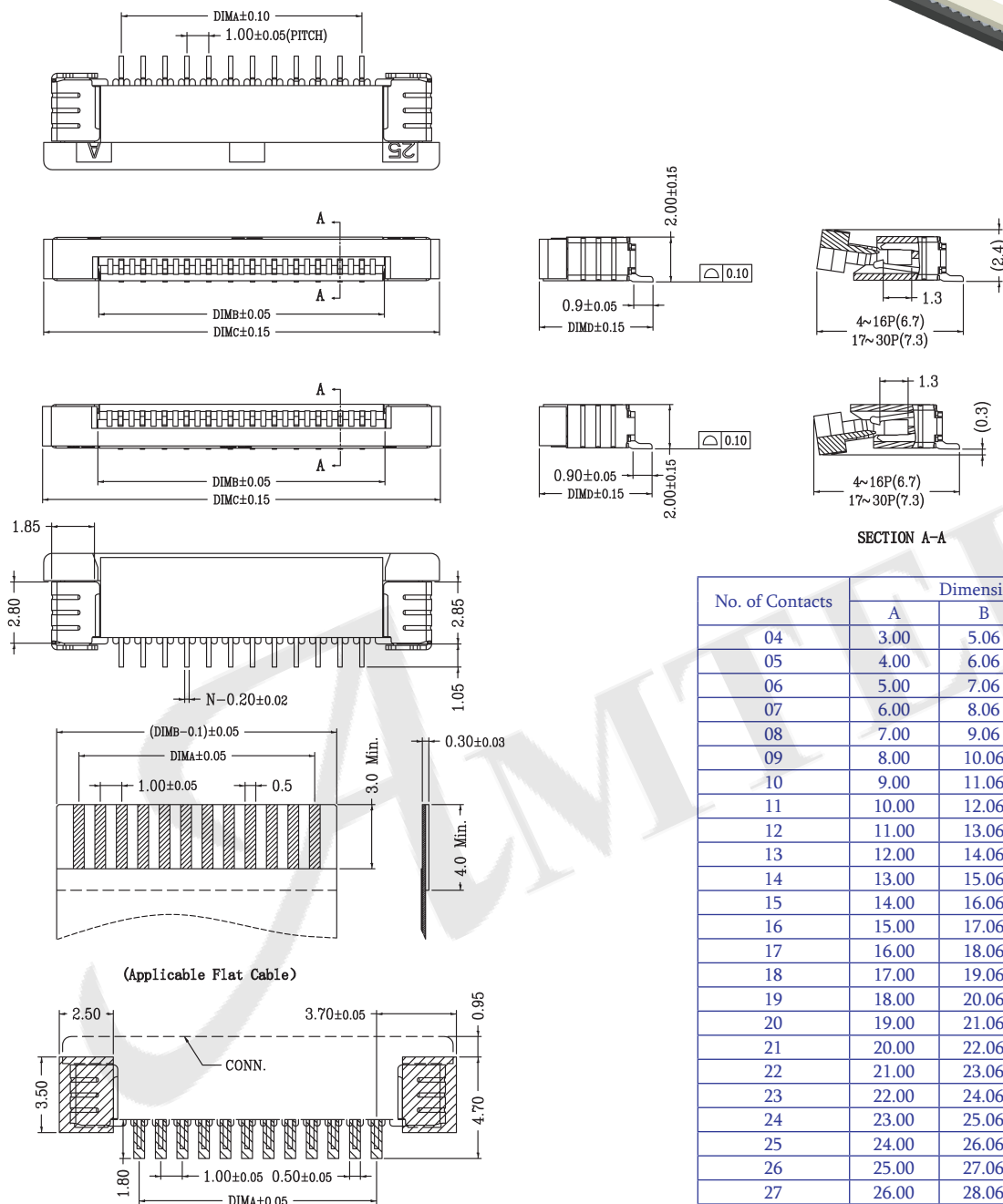
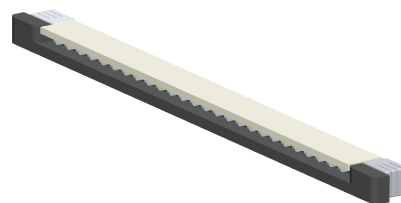
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

Specifications

Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature: -25 °C to +85 °C

Material

Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	3.00	5.06	10.10
05	4.00	6.06	11.10
06	5.00	7.06	12.10
07	6.00	8.06	13.10
08	7.00	9.06	14.10
09	8.00	10.06	15.10
10	9.00	11.06	16.10
11	10.00	12.06	17.10
12	11.00	13.06	18.10
13	12.00	14.06	19.10
14	13.00	15.06	20.10
15	14.00	16.06	21.10
16	15.00	17.06	22.10
17	16.00	18.06	23.10
18	17.00	19.06	24.10
19	18.00	20.06	25.10
20	19.00	21.06	26.10
21	20.00	22.06	27.10
22	21.00	23.06	28.10
23	22.00	24.06	29.10
24	23.00	25.06	30.10
25	24.00	26.06	31.10
26	25.00	27.06	32.10
27	26.00	28.06	33.10
28	27.00	29.06	34.10
29	28.00	30.06	35.10
30	29.00	31.06	36.10

ORDER INFORMATION

5 F P 3 A M R X R - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated
TM: Matte Tin

W

W: Natural

U

U: RoHS + LCP

X - 0 1

H: T/R W/O Cap
T: Tube W/O Cap

CONNECTORS MANUFACTURER

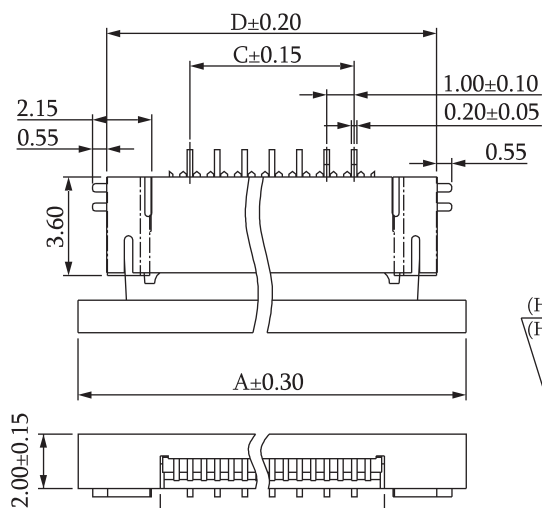
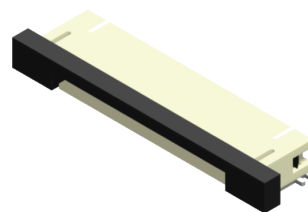
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm

Specifications

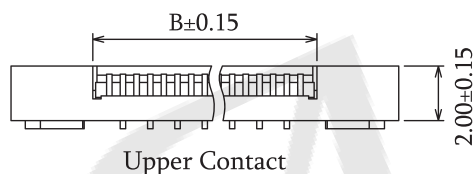
Current Rating: 0.5 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25°C to +85°C

Material

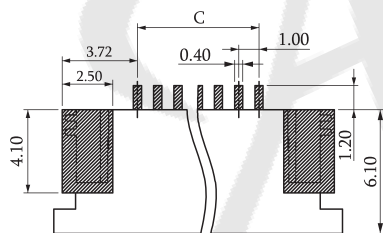
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



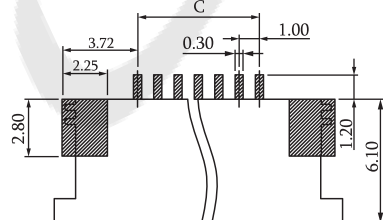
Bottom Contact



Upper Contact

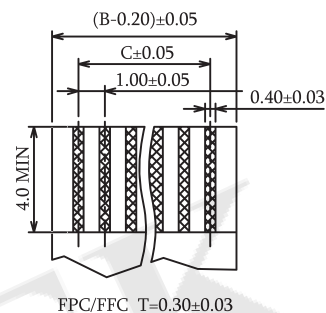
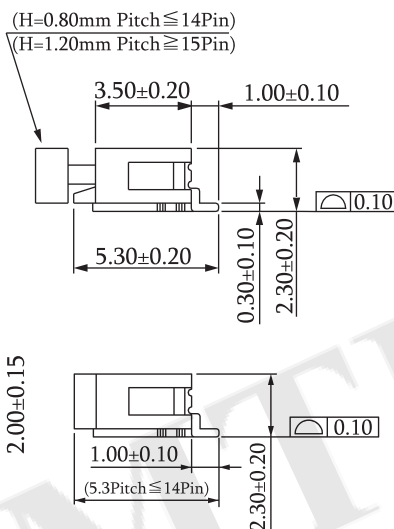


Bottom Contact



Upper Contact

Recommended PCB Layout
(PCB TOLERANCE ±0.05)



No. of Contacts	Dimensions			
	A	B	C	D
02	9.20	3.20	1.00	7.10
04	11.20	5.20	3.00	9.10
05	12.20	6.20	4.00	10.10
06	13.20	7.20	5.00	11.10
07	14.20	8.20	6.00	12.10
08	15.20	9.20	7.00	13.10
09	16.20	10.20	8.00	14.10
10	17.20	11.20	9.00	15.10
11	18.20	12.20	10.00	16.10
12	19.20	13.20	11.00	17.10
13	20.20	14.20	12.00	18.10
14	21.20	15.20	13.00	19.10
15	22.20	16.20	14.00	20.10
16	23.20	17.20	15.00	21.10
17	24.20	18.20	16.00	22.10
18	25.20	19.20	17.00	23.10
19	26.20	20.20	18.00	24.10

No. of Contacts	Dimensions			
	A	B	C	D
20	27.20	21.20	19.00	25.10
21	28.20	22.20	20.00	26.10
22	29.20	23.20	21.00	27.10
24	31.20	25.20	23.00	29.10
25	32.20	26.20	24.00	30.10
26	33.20	27.20	25.00	31.10
27	34.20	28.20	26.00	32.10
28	35.20	29.20	27.00	33.10
29	36.20	30.20	28.00	34.10
30	37.20	31.20	29.00	35.10
31	38.20	32.20	30.00	36.10
32	39.20	33.20	31.00	37.10
33	40.20	34.20	32.00	38.10
34	41.20	35.20	33.00	39.10
35	42.20	36.20	34.00	40.10
36	43.20	37.20	35.00	41.10

ORDER INFORMATION

5 F P 3 A M R X D - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated
GF: Au 15u"

W

W: White

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
H: T/R W/O Cap

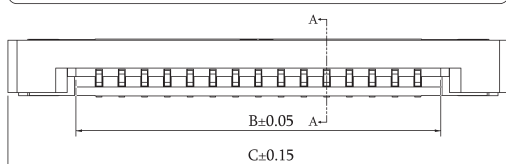
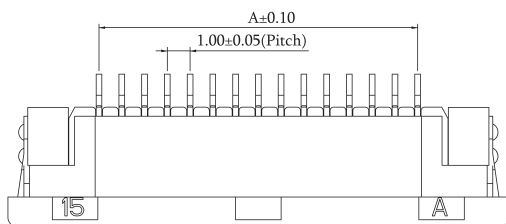
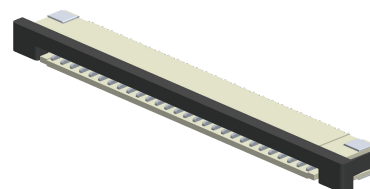
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.5mm

Specifications

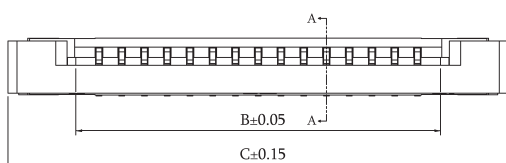
Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature: -25 °C to +85 °C

Material

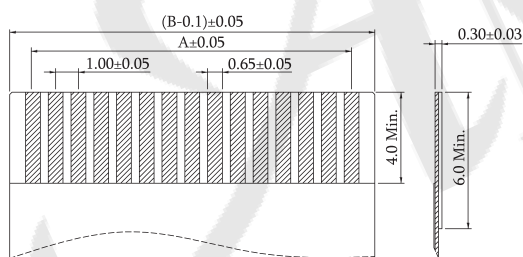
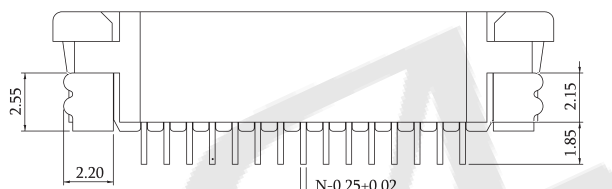
Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper alloy



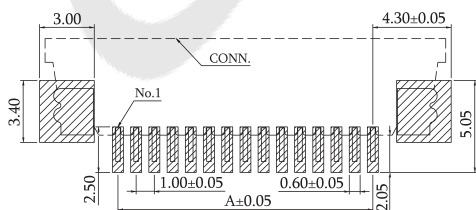
Bottom Contact



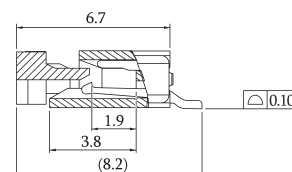
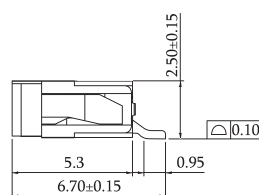
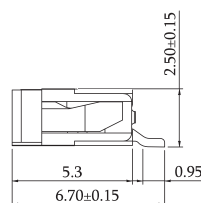
Upper Contact



(Applicable Flat Cable)



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



SECTION A-A

No. of Contacts	Dimensions		
	A	B	C
04	3.00	5.03	11.10
05	4.00	6.03	12.10
06	5.00	7.03	13.10
07	6.00	8.03	14.10
08	7.00	9.03	15.10
09	8.00	10.03	16.10
10	9.00	11.03	17.10
11	10.00	12.03	18.10
12	11.00	13.03	19.10
13	12.00	14.03	20.10
14	13.00	15.03	21.10
15	14.00	16.03	22.10
16	15.00	17.03	23.10
17	16.00	18.03	24.10
18	17.00	19.03	25.10
19	18.00	20.03	26.10
20	19.00	21.03	27.10
21	20.00	22.03	28.10
22	21.00	23.03	29.10

No. of Contacts	Dimensions		
	A	B	C
23	22.00	24.03	30.10
24	23.00	25.03	31.10
25	24.00	26.03	32.10
26	25.00	27.03	33.10
27	26.00	28.03	34.10
28	27.00	29.03	35.10
29	28.00	30.03	36.10
30	29.00	31.03	37.10
31	30.00	32.03	38.10
32	31.00	33.03	39.10
33	32.00	34.03	40.10
34	33.00	35.03	41.10
35	34.00	36.03	42.10
36	35.00	37.03	43.10
37	36.00	38.03	44.10
38	37.00	39.03	45.10
39	38.00	40.03	46.10
40	39.00	41.03	47.10

ORDER INFORMATION

5 F P 3 A M R X R - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated
TM: Matte Tin

W

W: Natural

U

U: RoHS + LCP

X - 0 2

H: T/R W/O Cap
T: Tube W/O Cap

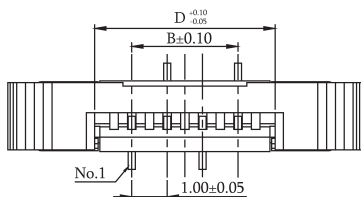
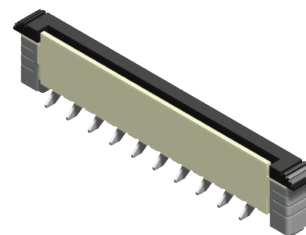
FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=4.1mm

Specifications

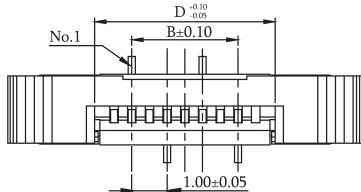
Contact Resistance: 30mΩ Max.
Current Rating: 0.5 AMP
Operating Voltage: 50V AC/DC
Insulation Resistance: 500MΩ Min.
Operation Temperature: -55°C to +85°C

Material

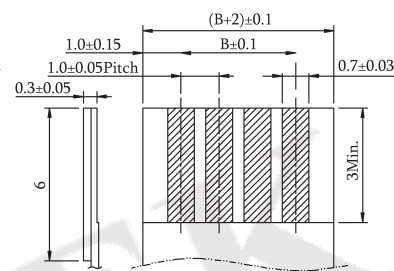
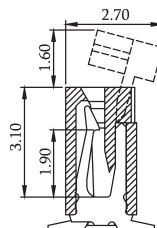
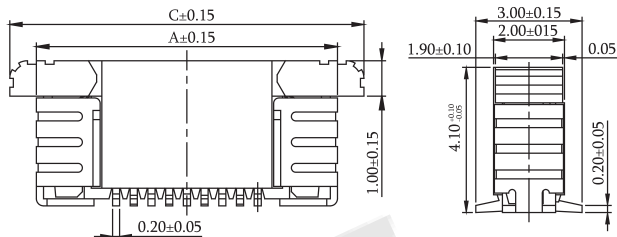
Insulator: LCP, UL 94V-0
Actuator: LCP, UL 94V-0
Contact Pin: Copper Alloy



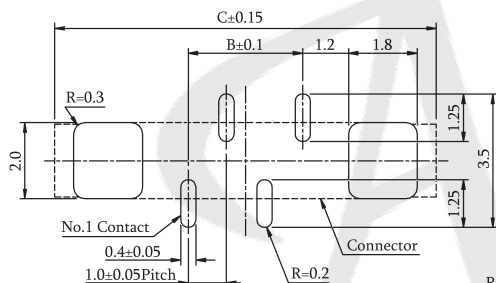
A Type



B Type

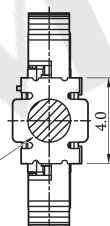


Applicable FPC

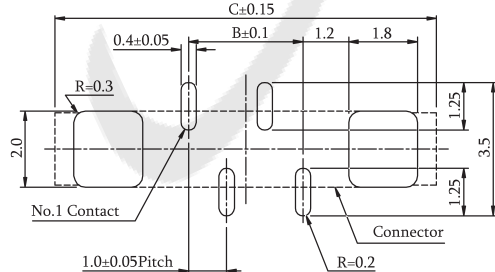


A Type

Recommend Sucking area Ø2.0



Optional vacuum cap for robotic placement



B Type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

CAP

No. of Contacts	Dimensions			
	A	B	C	D
04	8.5	3.0	10.0	5.1
05	9.5	4.0	11.0	6.1
06	10.5	5.0	12.0	7.1
07	11.5	6.0	13.0	8.1
08	12.5	7.0	14.0	9.1
09	13.5	8.0	15.0	10.1
10	14.5	9.0	16.0	11.1
11	15.5	10.0	17.0	12.1
12	16.5	11.0	18.0	13.1
13	17.5	12.0	19.0	14.1
14	18.5	13.0	20.0	15.1
15	19.5	14.0	21.0	16.1
16	20.5	15.0	22.0	17.1
17	21.5	16.0	23.0	18.1
18	22.5	17.0	24.0	19.1
19	23.5	18.0	25.0	20.1
20	24.5	19.0	26.0	21.1
21	25.5	20.0	27.0	22.1
22	26.5	21.0	28.0	23.1
24	28.5	23.0	30.0	25.1

ORDER INFORMATION

5 F P 3 A M S X C - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: White

U

U: RoHS + LCP

R - 0 1

R: T/R With Cap

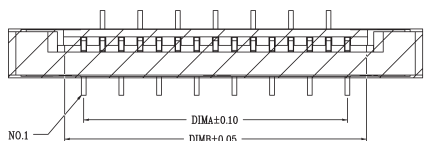
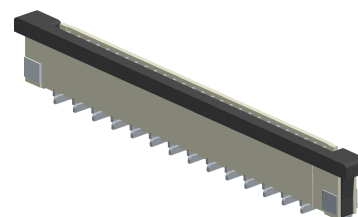
FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=5.5mm

Specifications

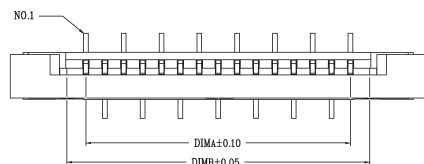
Contact Resistance: 0.03Ω Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature: -25 °C to +85 °C

Material

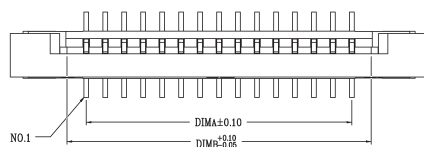
Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper alloy



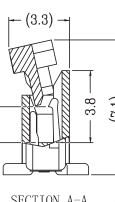
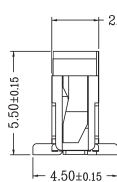
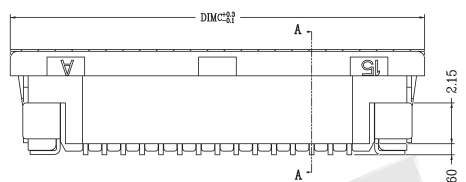
A type



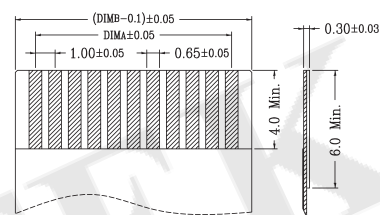
B type



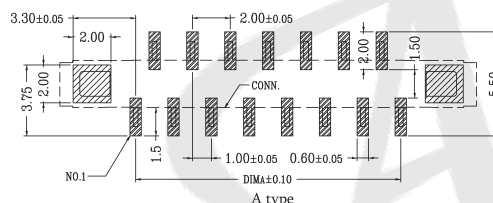
M type



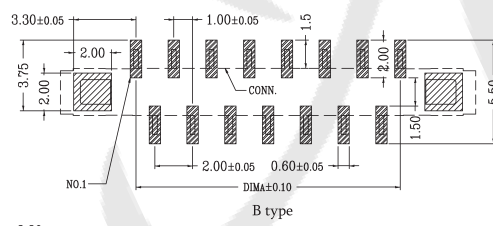
SECTION A-A



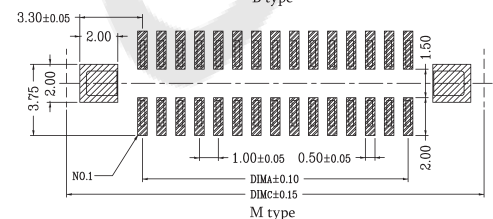
(Applicable Flat Cable)



A type



B type



M type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	3.00	5.03	11.00
05	4.00	6.03	12.00
06	5.00	7.03	13.00
07	6.00	8.03	14.00
08	7.00	9.03	15.00
09	8.00	10.03	16.00
10	9.00	11.03	17.00
11	10.00	12.03	18.00
12	11.00	13.03	19.00
13	12.00	14.03	20.00
14	13.00	15.03	21.00
15	14.00	16.03	22.00
16	15.00	17.03	23.00
17	16.00	18.03	24.00
18	17.00	19.03	25.00
19	18.00	20.03	26.00
20	19.00	21.03	27.00
21	20.00	22.03	28.00
22	21.00	23.03	29.00

No. of Contacts	Dimensions		
	A	B	C
23	22.00	24.03	30.00
24	23.00	25.03	31.00
25	24.00	26.03	32.00
26	25.00	27.03	33.00
27	26.00	28.03	34.00
28	27.00	29.03	35.00
29	28.00	30.03	36.00
30	29.00	31.03	37.00
31	30.00	32.03	38.00
32	31.00	33.03	39.00
33	32.00	34.03	40.00
34	33.00	35.03	41.00
35	34.00	36.03	42.00
36	35.00	37.03	43.00
37	36.00	38.03	44.00
38	37.00	39.03	45.00
39	38.00	40.03	46.00
40	39.00	41.03	47.00

ORDER INFORMATION

5 F P 3 A M S X R - X X

A: A Type
B: B Type
M: M Type

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated
TM: Matte Tin

W

W: Natural

U

U: RoHS + LCP

X - 0

R: T/R With Cap
H: T/R W/O Cap
T: Tube W/O Cap

X

01: A Type, M: M Type
02: B Type

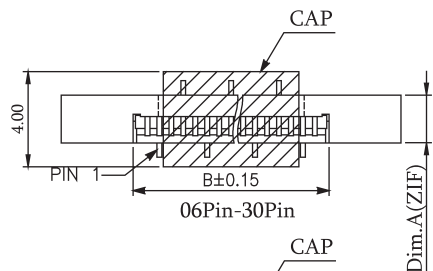
FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=6.15mm

Specifications

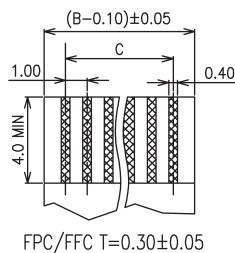
Current Rating: 0.5 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25°C to +85°C

Material

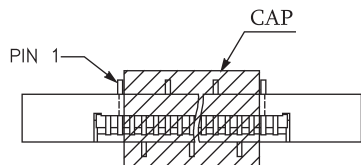
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



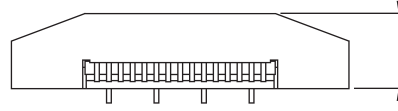
A Type



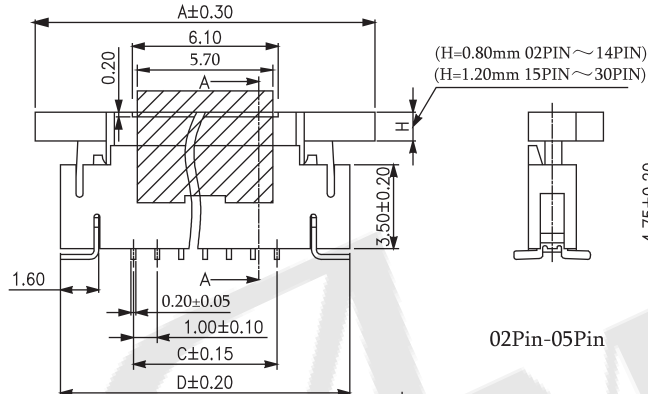
FPC/FFC T=0.30±0.05



B Type

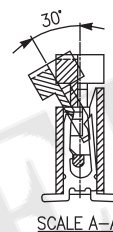


02Pin-05Pin

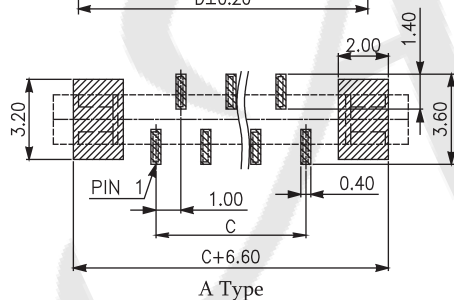


02Pin-05Pin

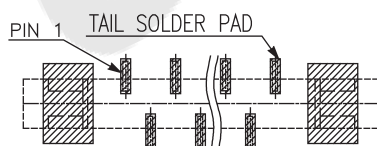
06Pin-30Pin



SCALE A-A



A Type



B Type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
02	9.20	3.20	1.00	7.10
04	11.20	5.20	3.00	9.10
05	12.20	6.20	4.00	10.10
06	13.20	7.20	5.00	11.10
07	14.20	8.20	6.00	12.10
08	15.20	9.20	7.00	13.10
09	16.20	10.20	8.00	14.10
10	17.20	11.20	9.00	15.10
11	18.20	12.20	10.00	16.10
12	19.20	13.20	11.00	17.10
13	20.20	14.20	12.00	18.10
14	21.20	15.20	13.00	19.10
15	22.20	16.20	14.00	20.10
16	23.20	17.20	15.00	21.10

No. of Contacts	Dimensions			
	A	B	C	D
17	24.20	18.20	16.00	22.10
18	25.20	19.20	17.00	23.10
19	26.20	20.20	18.00	24.10
20	27.20	21.20	19.00	25.10
21	28.20	22.20	20.00	26.10
22	29.20	23.20	21.00	27.10
24	31.20	25.20	23.00	29.10
25	32.20	26.20	24.00	30.10
26	33.20	27.20	25.00	31.10
27	34.20	28.20	26.00	32.10
28	35.20	29.20	27.00	33.10
29	36.20	30.20	28.00	34.10
30	37.20	31.20	29.00	35.10

ORDER INFORMATION

5 F P 3 A M S X D - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: White

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
H: T/R W/O Cap
C: Tube With Cap
R: T/R With Cap
For 06~30Pin Only

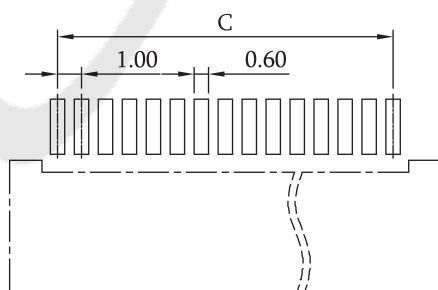
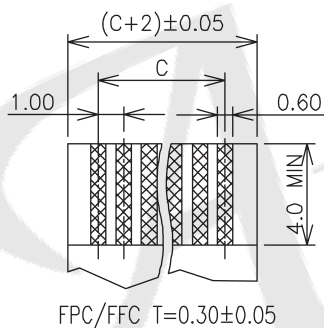
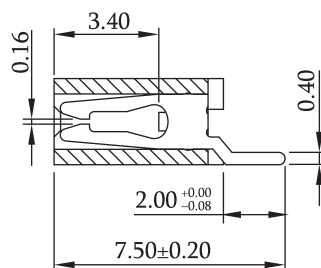
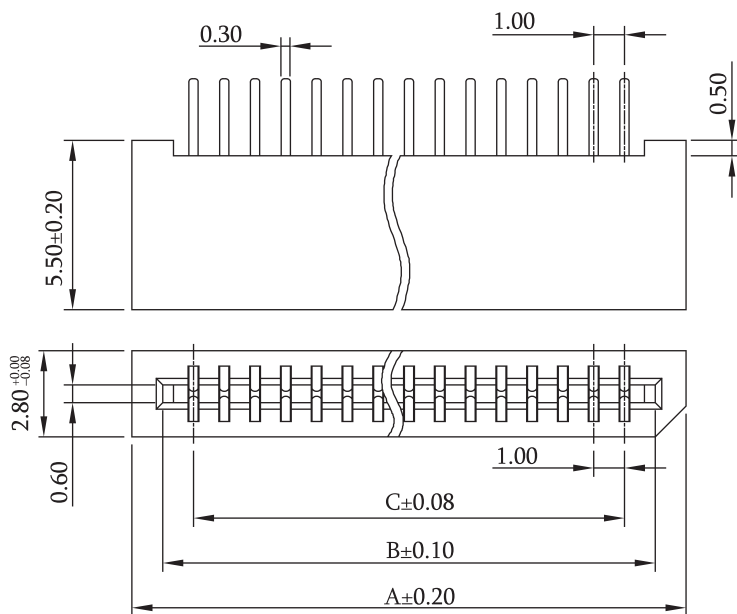
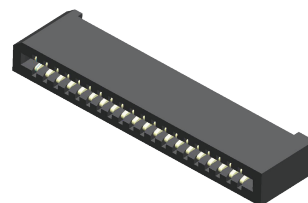
FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.8mm

Specifications

Current Rating: 1.0 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -25°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
 Contact Pin: Copper Alloy



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
03	6.00	4.10	2.00
04	7.00	5.10	3.00
05	8.00	6.10	4.00
06	9.00	7.10	5.00
07	10.00	8.10	6.00
08	11.00	8.10	7.00
09	12.00	10.10	8.00
10	13.00	11.10	9.00
11	14.00	12.10	10.00
12	15.00	13.10	11.00
13	16.00	14.10	12.00
14	17.00	15.10	13.00
15	18.00	16.10	14.00
16	19.00	17.10	15.00
17	20.00	18.10	16.00
18	21.00	19.10	17.00
19	22.00	20.10	18.00
20	23.00	21.10	19.00
21	24.00	22.10	20.00
22	25.00	23.10	21.00
23	26.00	24.10	22.00
24	27.00	25.10	23.00
25	28.00	26.10	24.00
26	29.00	27.10	25.00
27	30.00	28.10	26.00
28	31.00	29.10	27.00
29	32.00	30.10	28.00
30	33.00	31.10	29.00
32	35.00	33.10	31.00
33	36.00	34.10	32.00

ORDER INFORMATION

5 F P 3 B M R N D - X X

No. of Contacts
 See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
 H: T/R W/O Cap

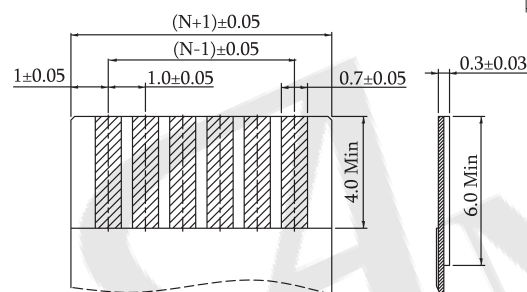
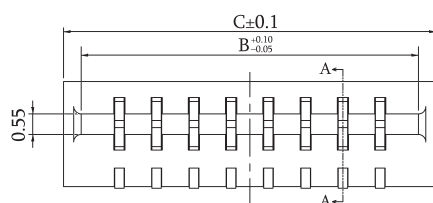
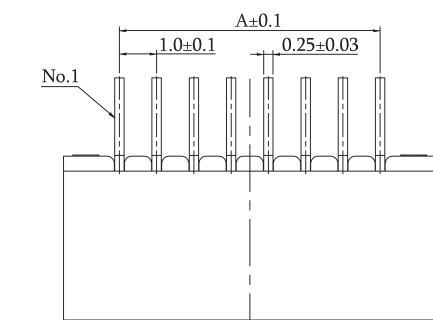
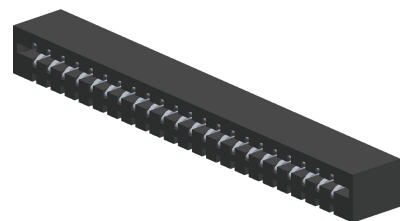
FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.9mm

Specifications

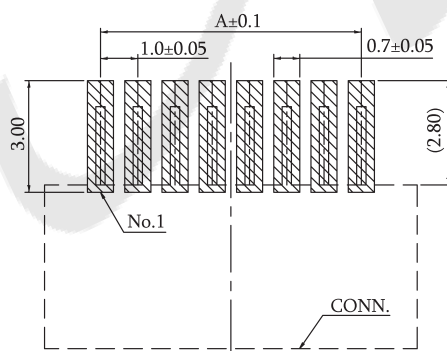
Current Rating: 0.5 AMP
Voltage Rating: 50V, (AC/DC).
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Operation Temperature: -20°C to +85°C

Material

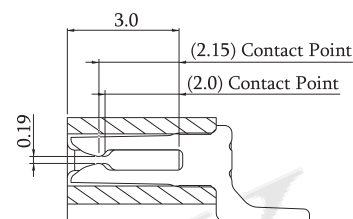
Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy, Tin plated



Applicable Flat Cable



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



SECTION A-A

No. of Contacts	Dimensions		
	A	B	C
04	3.0	5.05	6.00
05	4.0	6.05	7.00
06	5.0	7.05	8.00
07	6.0	8.05	9.00
08	7.0	9.05	10.00
09	8.0	10.05	11.00
10	9.0	11.05	12.00
11	10.0	12.05	13.00
12	11.0	13.05	14.00
13	12.0	14.05	15.00
14	13.0	15.05	16.00
15	14.0	16.05	17.00
16	15.0	17.05	18.00
17	16.0	18.05	19.00
18	17.0	19.05	20.00
19	18.0	20.05	21.00
20	19.0	21.05	22.00
21	20.0	22.05	23.00
22	21.0	23.05	24.00
23	22.0	24.05	25.00
24	23.0	25.05	26.00
25	24.0	26.05	27.00
26	25.0	27.05	28.00
27	26.0	28.05	29.00
28	27.0	29.05	30.00
29	28.0	30.05	31.00
30	29.0	31.05	32.00

ORDER INFORMATION

5 F P 3 B M R N R - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + LCP

X - 0 1

H: T/R W/O cap
T: Tube W/O Cap

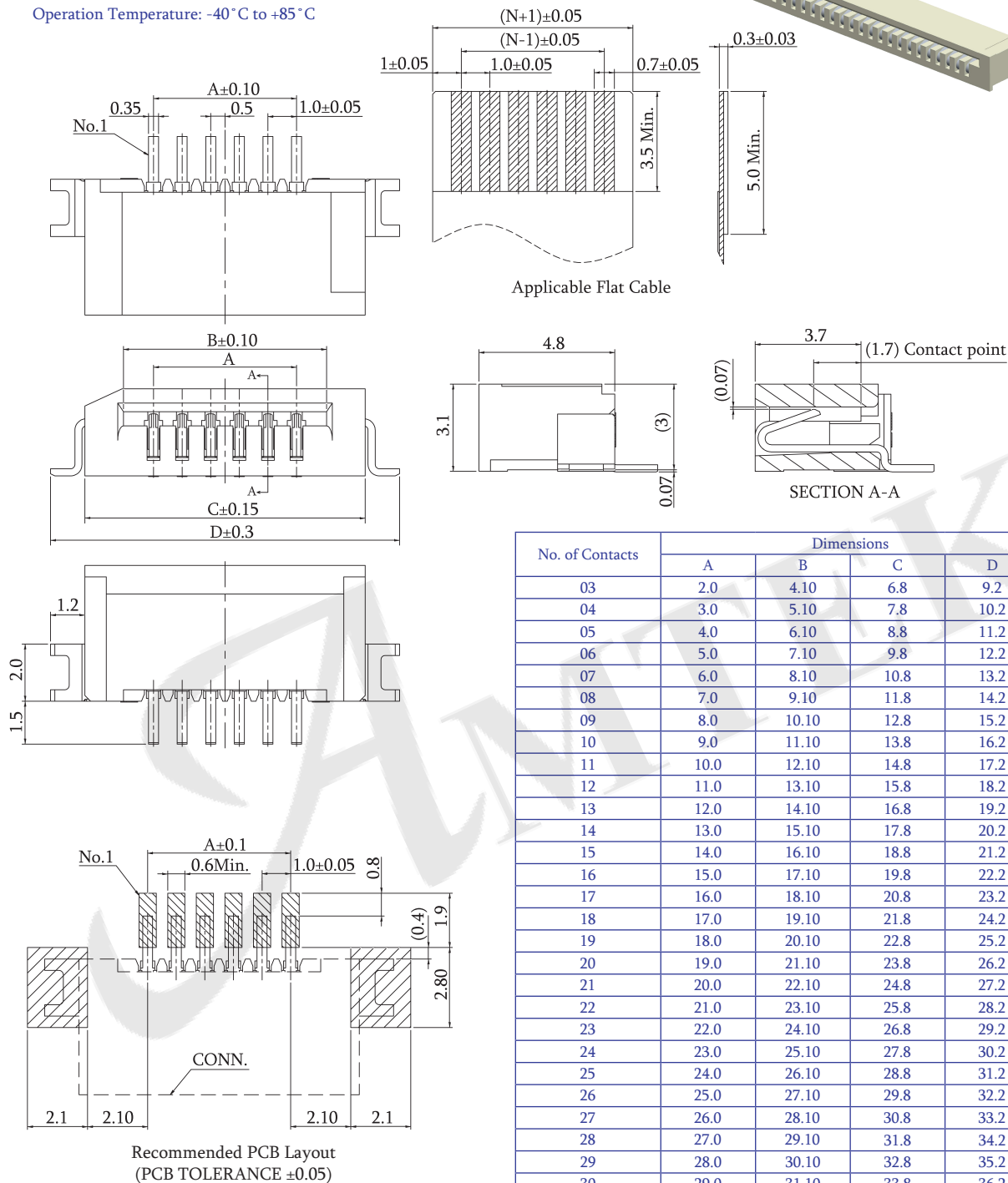
FPC/FFC 1.0mm Non-ZIF SMT R/A Type Single Contact H=3.1mm

Specifications

Voltage Rating: 50V, (AC/DC).
Insulation Resistance: 500MΩ Min.
Contact Resistance: 55mΩ Max.
Operation Temperature: -40°C to +85°C

Material

Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy



ORDER INFORMATION

5 F P 3 B M R B R - X X

No. of Contacts
See Table

X X

G0: Gold Flash
T0: Tin Plated

W

W: Natural

U

U: RoHS + LCP

X - 0 1

H: T/R W/O Cap
T: Tube W/O Cap

CONNECTORS MANUFACTURER



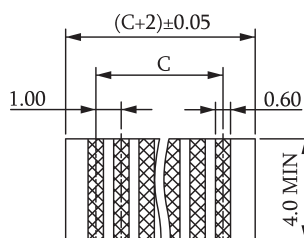
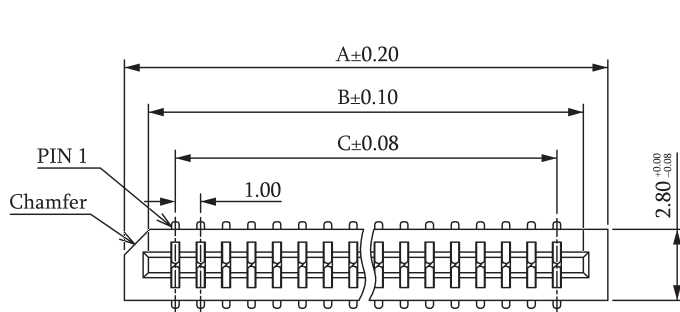
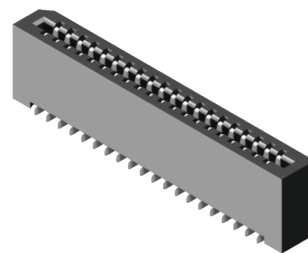
FPC/FFC 1.0mm Non-ZIF SMT Vertical Type H=5.6mm

Specifications

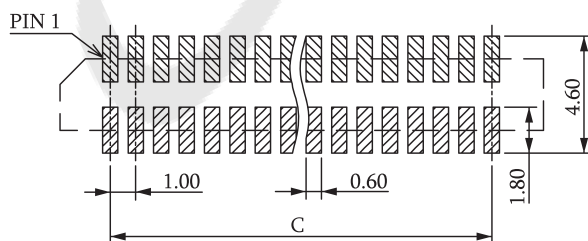
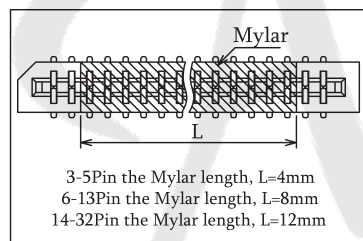
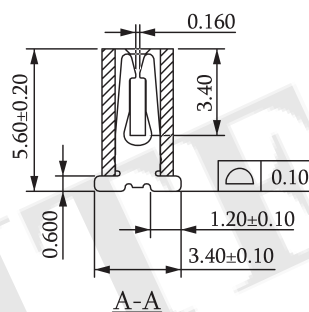
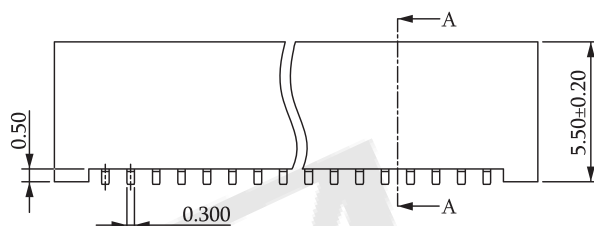
Current Rating: 1.0 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25 °C to +85 °C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



FPC/FFC T=0.30±0.05



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			No. of Contacts	Dimensions		
	A	B	C		A	B	C
03	6.00	4.10	2.00	18	21.00	19.10	17.00
04	7.00	5.10	3.00	19	22.00	20.10	18.00
05	8.00	6.10	4.00	20	23.00	21.10	19.00
06	9.00	7.10	5.00	21	24.00	22.10	20.00
07	10.00	8.10	6.00	22	25.00	23.10	21.00
08	11.00	8.10	7.00	23	26.00	24.10	22.00
09	12.00	10.10	8.00	24	27.00	25.10	23.00
10	13.00	11.10	9.00	25	28.00	26.10	24.00
11	14.00	12.10	10.00	26	29.00	27.10	25.00
12	15.00	13.10	11.00	27	30.00	28.10	26.00
13	16.00	14.10	12.00	28	31.00	29.10	27.00
14	17.00	15.10	13.00	29	32.00	30.10	28.00
15	18.00	16.10	14.00	30	33.00	31.10	29.00
16	19.00	17.10	15.00	31	34.00	32.10	30.00
17	20.00	18.10	16.00	32	35.00	33.10	31.00

ORDER INFORMATION

5 F P 3 B M S M D - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
M: T/R With Mylar

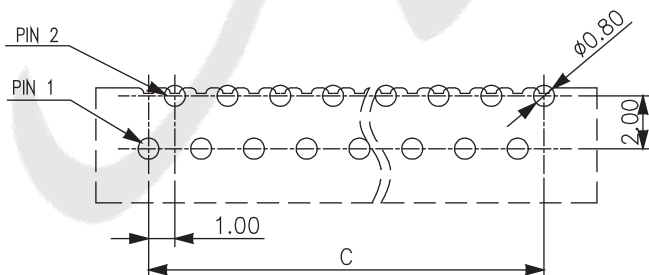
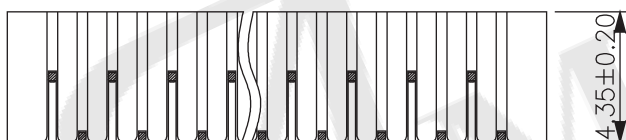
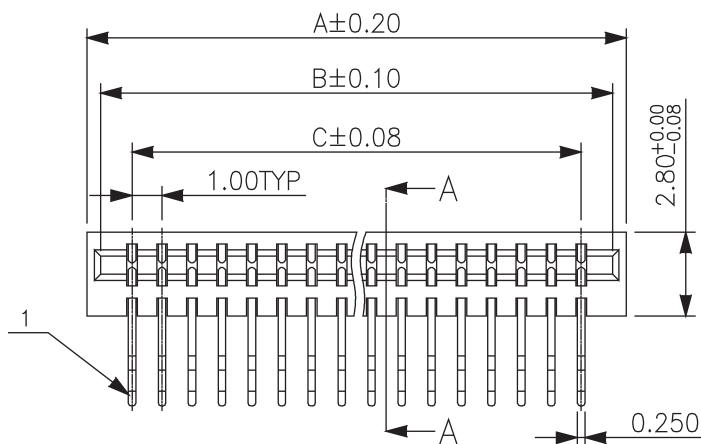
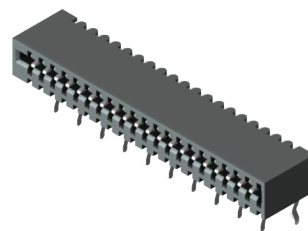
FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm

Specifications

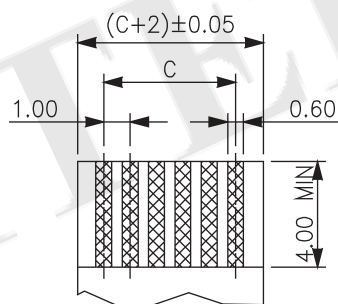
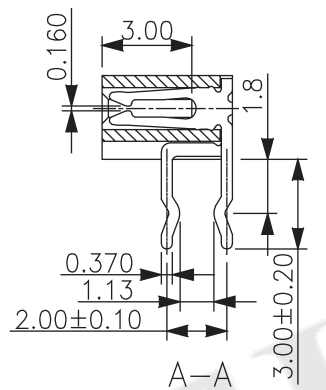
Current Rating: 1.0AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -25°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
 Contact Pin: Copper Alloy



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)



FPC/FFC T=0.30±0.05

No. of Contacts	Dimensions		
	A	B	C
06	8.00	7.10	5.00
08	10.00	9.10	7.00
10	12.00	11.10	9.00
14	16.00	15.10	13.00
16	18.00	17.10	15.00
18	20.00	19.10	17.00

ORDER INFORMATION

5 F P 3 B 1 R A D - X X

No. of Contacts
 See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + Hi-Temp

T - 0 1

T: Tube W/O Cap

CONNECTORS MANUFACTURER

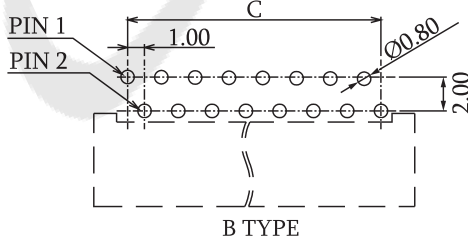
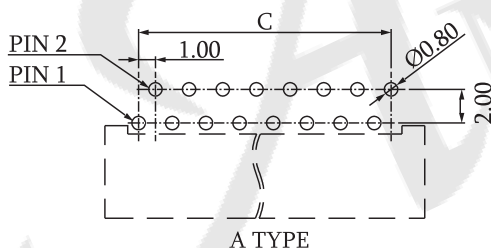
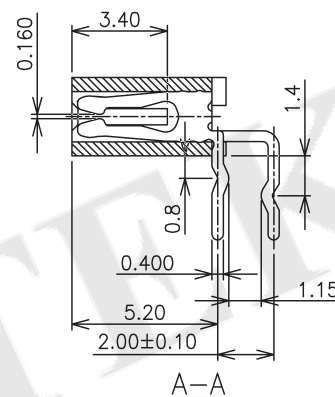
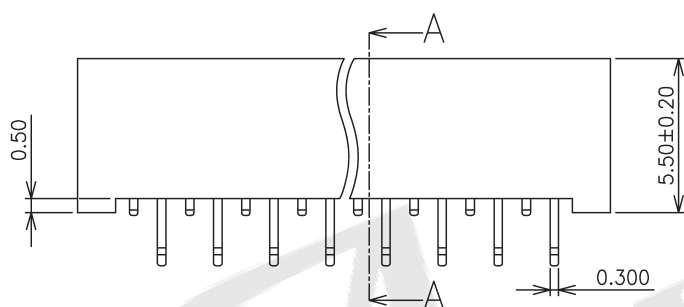
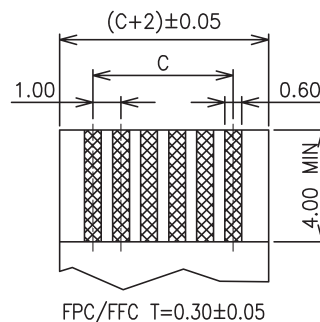
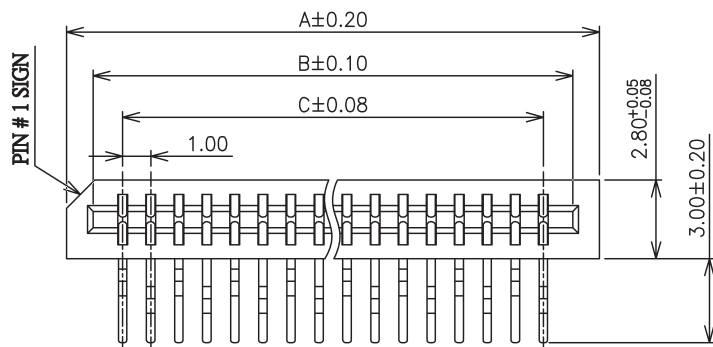
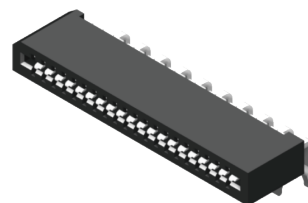
FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm

Specifications

Current Rating: 1.0 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500VAC for one minute
Operation Temperature: -25°C to +85°C

Material

Insulator: PA6T, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
02	5.00	3.10	1.00
03	6.00	4.10	2.00
04	7.00	5.10	3.00
05	8.00	6.10	4.00
06	9.00	7.10	5.00
07	10.00	8.10	6.00
08	11.00	9.10	7.00
09	12.00	10.10	8.00
10	13.00	11.10	9.00
11	14.00	12.10	10.00
12	15.00	13.10	11.00
13	16.00	14.10	12.00
14	17.00	15.10	13.00
15	18.00	16.10	14.00
16	19.00	17.10	15.00
17	20.00	18.10	16.00
18	21.00	19.10	17.00
19	22.00	20.10	18.00

No. of Contacts	Dimensions		
	A	B	C
20	23.00	21.10	19.00
21	24.00	22.10	20.00
22	25.00	23.10	21.00
23	26.00	24.10	22.00
24	27.00	25.10	23.00
25	28.00	26.10	24.00
26	29.00	27.10	25.00
27	30.00	28.10	26.00
28	31.00	29.10	27.00
29	32.00	30.10	28.00
30	33.00	31.10	29.00
31	34.00	32.10	30.00
32	35.00	33.10	31.00
33	36.00	34.10	32.00
34	37.00	35.10	33.00
35	38.00	36.10	34.00
36	39.00	37.10	35.00

ORDER INFORMATION

5 F P 3 B 2 R X D - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + PA6T

T - 0 1

T: Tube W/O Cap

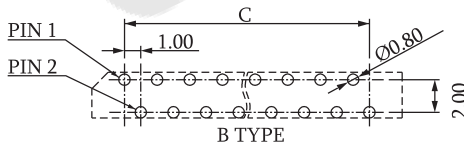
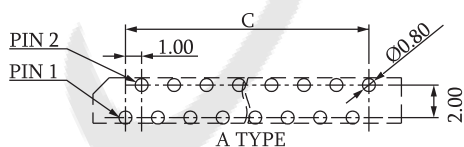
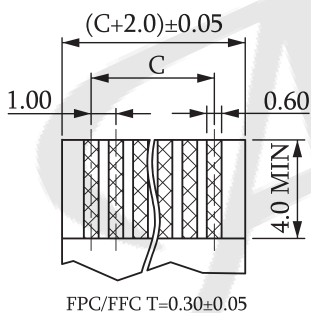
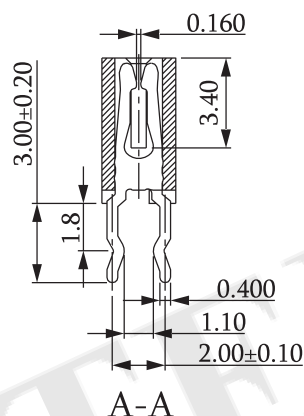
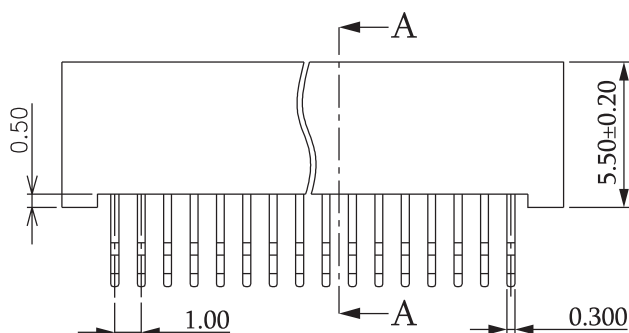
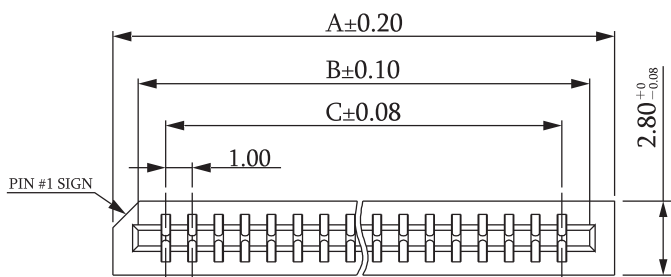
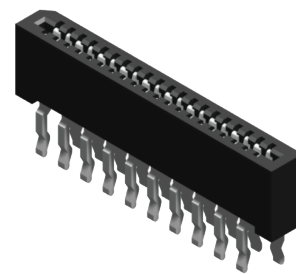
FPC/FFC 1.0mm Non-ZIF DIP Vertical Type H=5.5mm

Specifications

Current Rating: 1.0AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -25°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
 Contact Pin: Copper Alloy



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
02	5.00	3.10	1.00
03	6.00	4.10	2.00
04	7.00	5.10	3.00
05	8.00	6.10	4.00
06	9.00	7.10	5.00
07	10.00	8.10	6.00
08	11.00	9.10	7.00
09	12.00	10.10	8.00
10	13.00	11.10	9.00
11	14.00	12.10	10.00
12	15.00	13.10	11.00
13	16.00	14.10	12.00
14	17.00	15.10	13.00
15	18.00	16.10	14.00
16	19.00	17.10	15.00
17	20.00	18.10	16.00
18	21.00	19.10	17.00
19	22.00	20.10	18.00

No. of Contacts	Dimensions		
	A	B	C
20	23.00	21.10	19.00
21	24.00	22.10	20.00
22	25.00	23.10	21.00
23	26.00	24.10	22.00
24	27.00	25.10	23.00
25	28.00	26.10	24.00
26	29.00	27.10	25.00
27	30.00	28.10	26.00
28	31.00	29.10	27.00
29	32.00	30.10	28.00
30	33.00	31.10	29.00
31	34.00	32.10	30.00
32	35.00	33.10	31.00
33	36.00	34.10	32.00
34	37.00	35.10	33.00
35	38.00	36.10	34.00
36	39.00	37.10	35.00

ORDER INFORMATION

5 F P 3 B 1 S X D - X X

PCB Layout
 A: A Type
 B: B Type

No. of Contacts
 See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + Hi-Temp

X - 0 1

T: Tube W/O Cap
 H: T/R W/O Cap

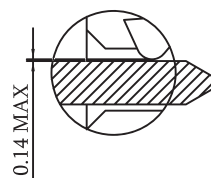
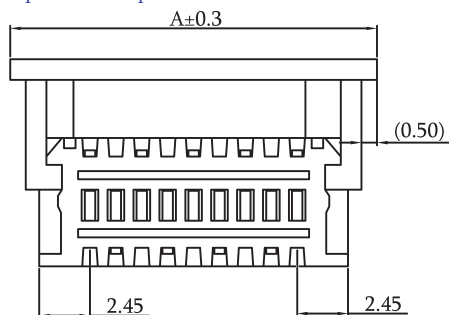
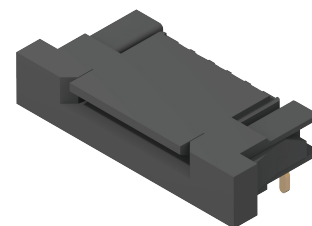
FPC/FFC 1.25mm ZIF DIP R/A Type Slider Top Contact H=5.0mm

Specifications

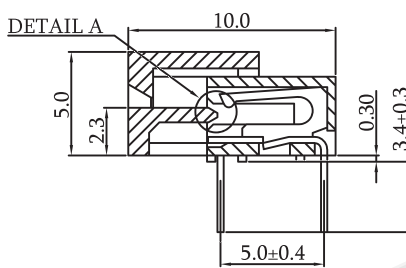
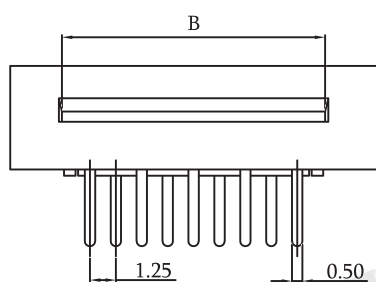
Current Rating: 1A AC/DC
Voltage Rating: 200V AC/DC
Insulator Resistance: 500MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -20°C ~ +85°C

Material

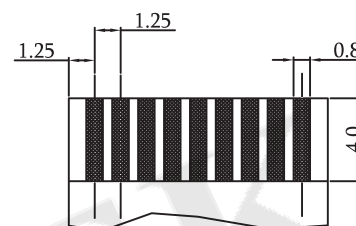
Insulator: PBT, UL 94V-0
Contact Pin: Copper Alloy



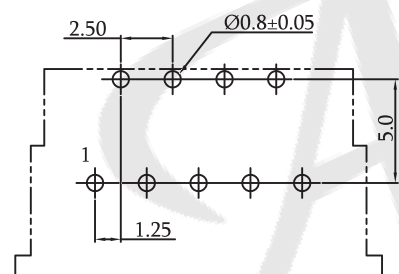
DETAIL A
CLOSE TYPE



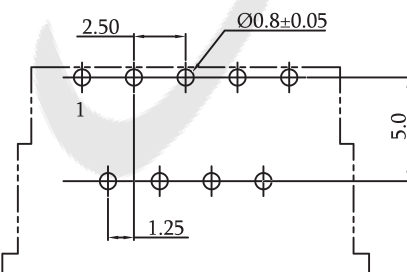
OPEN TYPE



FFC/FFC DIMENSION
THICKNESS 0.3±0.05mm



TYPE A



TYPE B
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions	
	A	B
03	9.55	5.20
04	10.80	6.45
05	12.05	7.70
06	13.30	8.95
07	14.55	10.20
08	15.80	11.45
09	17.05	12.70
10	18.30	13.95
11	19.55	15.20
12	20.80	16.45
13	22.05	17.70
14	23.30	18.95
15	24.55	20.20
16	25.80	21.45
17	27.50	22.70

No. of Contacts	Dimensions	
	A	B
18	28.30	23.95
19	29.55	25.20
20	30.80	26.45
21	32.05	27.70
22	33.30	28.95
23	34.55	30.20
24	35.80	31.45
25	37.05	32.70
26	38.30	33.95
27	39.55	35.20
28	40.80	36.45
29	42.05	37.70
30	43.30	38.95
31	44.55	40.20
32	45.80	41.45

ORDER INFORMATION

5 F P 2 A 3 R U M - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

W

W: Natural

L

L: RoHS + PBT

T - 0

T: Tube W/O Cap

X

01: A Type
02: B Type

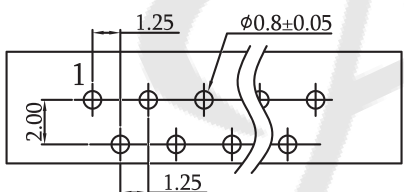
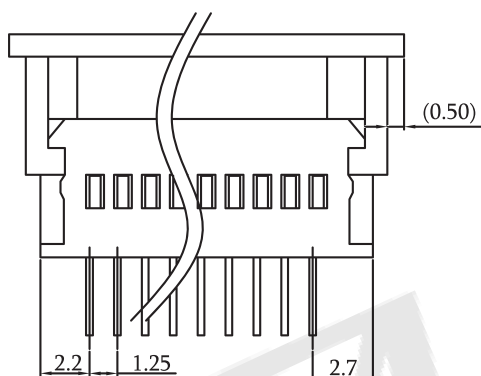
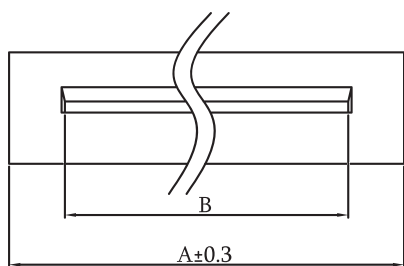
FPC/FFC 1.25mm ZIF DIP Vertical Type Slider H=7.5mm

Specifications

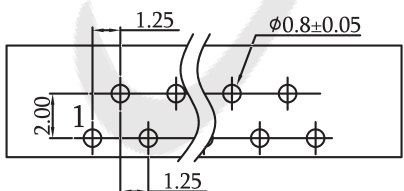
Current Rating: 1A AC/DC
Voltage Rating: 200V AC/DC
Insulator Resistance: 500MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -20°C ~ +85°C

Material

Insulator: PBT, UL94V-0
Contact Pin: Copper Alloy

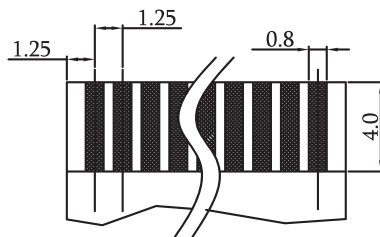


01:A TYPE

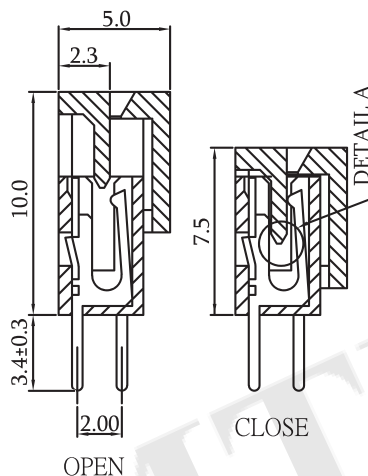


02:B TYPE

Recommended PCB Layout
(PCB TOLERANCE ±0.05)



FFC/FFC DIMENSION
THICKNESS 0.3±0.05mm



OPEN

CLOSE

DETAIL A
CLOSE

No. of Contacts	Dimensions	
	A	B
03	9.55	5.20
04	10.80	6.45
05	12.05	7.70
06	13.30	8.95
07	14.55	10.20
08	15.8	11.45
09	17.05	12.70
10	18.30	13.95
11	19.55	15.20
12	20.80	16.45
13	22.05	17.70
14	23.30	18.95
15	24.55	20.20
16	25.80	21.45
17	27.50	22.70

No. of Contacts	Dimensions	
	A	B
18	28.30	23.95
19	29.55	25.20
20	30.80	26.45
21	32.05	27.70
22	33.30	28.95
23	34.55	30.20
24	35.80	31.45
25	37.05	32.70
26	38.30	33.95
27	39.55	35.20
28	40.80	36.45
29	42.05	37.70
30	43.30	38.95
31	44.55	40.20
32	45.80	41.45

ORDER INFORMATION

5 F P 2 A 3 S X M - X X

B: Bottom Contact
U: Upper Contact

No. of Contacts
See Table

T 0

T0: Tin Plated

W

W: Natural

L

L: RoHS + PBT

T - 0 1

T: Tube W/O Cap

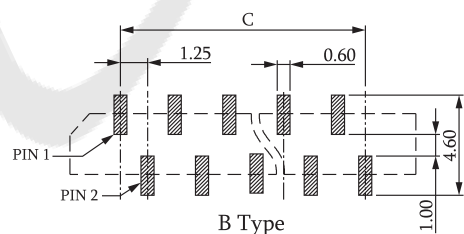
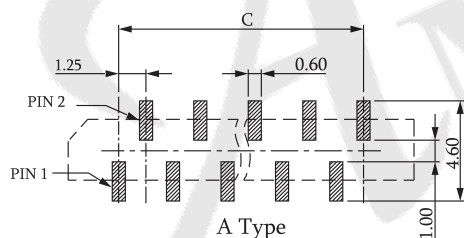
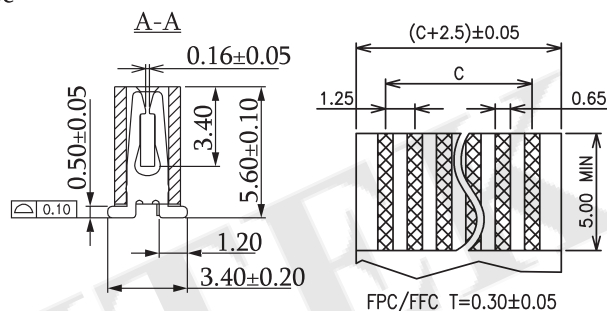
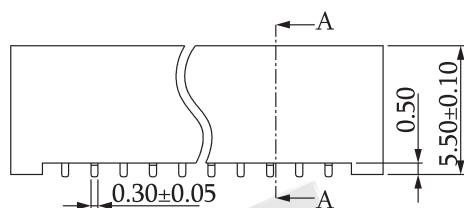
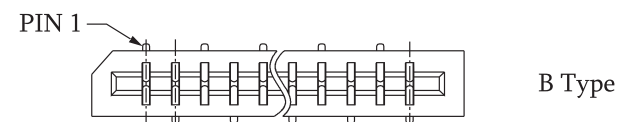
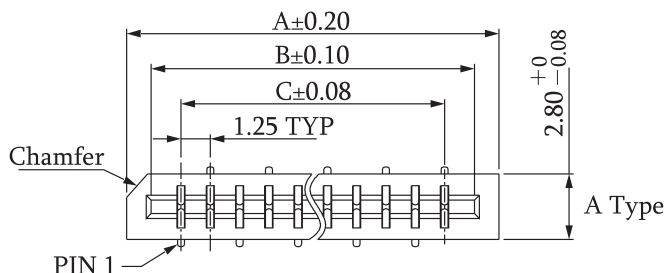
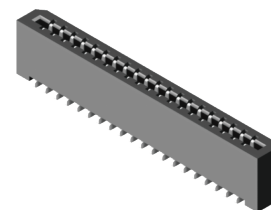
FPC/FFC 1.25mm Non-ZIF SMT Vertical Type H=5.5mm

Specifications

Current Rating: 1 AMP
Voltage Rating: 100V AC/DC
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25 °C to +85 °C

Material

Insulator: PA6T, UL 94V-0
Contact Pin: Phosphor Bronze Bright Tin Plated over Nickel.



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
07	12.15	10.05	7.50
08	13.40	11.30	8.75
09	14.65	12.55	10.00
10	15.90	13.80	11.25
11	17.15	15.05	12.50
12	18.40	16.30	13.75
14	20.90	18.80	16.25
15	22.15	20.05	17.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00
18	25.90	23.80	21.25
20	28.40	26.30	23.75
21	29.65	27.55	25.00
22	30.90	28.80	26.25
24	33.40	31.30	28.75
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28	38.40	36.30	33.75

ORDER INFORMATION

5 F P 2 B M S X D - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + PA6T

X - 0 1

T: Tube W/O Cap
H: T/R W/O Cap
F: Tube With Mylar
M: T/R With Mylar

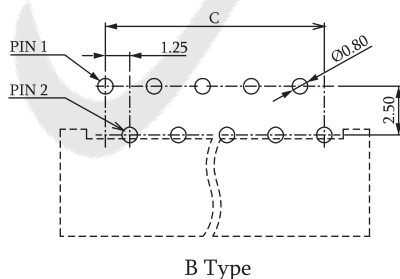
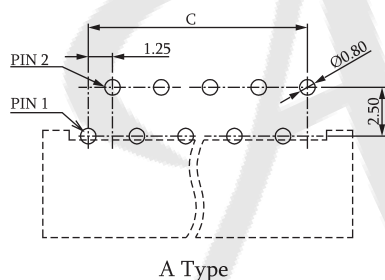
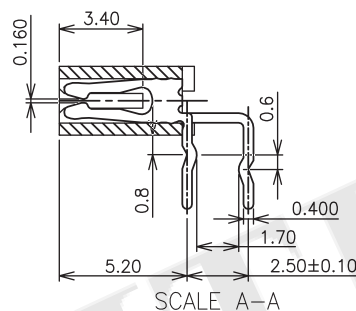
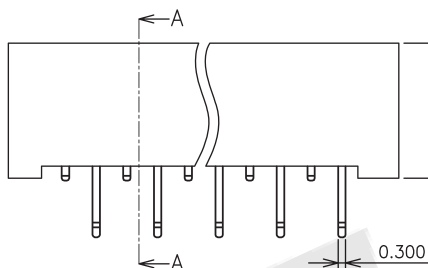
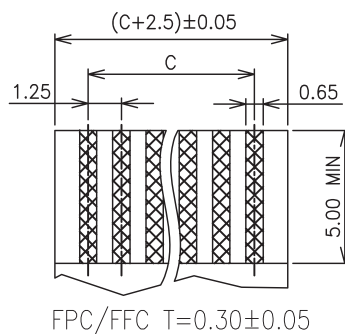
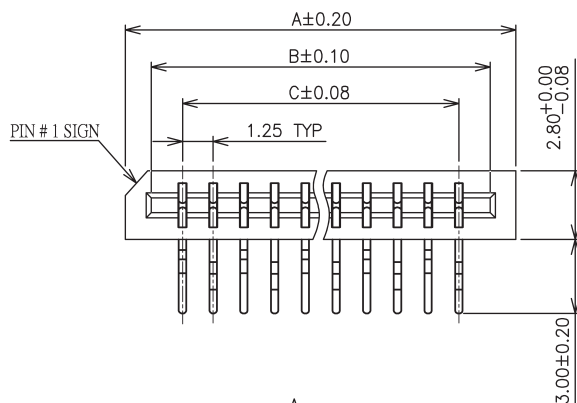
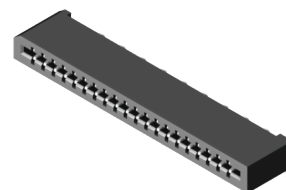
FPC/FFC 1.25mm Non-ZIF DIP R/A Type H=2.8mm

Specifications

Current Rating: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -25°C to +85°C

Material

Insulator: PA6T, UL 94V-0
 Contact Pin: Phosphor Bronze Bright Tin plated over Nickel.



Recommended PCB Layout
 (PCB TOLERANCE ± 0.05)

No. of Contacts	Dimensions		
	A	B	C
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
08	13.40	11.30	8.75
10	15.90	13.80	11.25
11	17.15	15.05	12.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00
18	25.90	23.80	21.25
20	28.40	26.30	23.75
24	33.40	31.30	28.75
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28	38.40	36.30	33.75
36	48.40	46.30	43.75

ORDER INFORMATION

5 F P 2 B 1 R X D - X X

PCB Layout
 A: A Type
 B: B Type

No. of Contacts
 See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + PA6T

T - 0 1

T: Tube W/O Cap

CONNECTORS MANUFACTURER

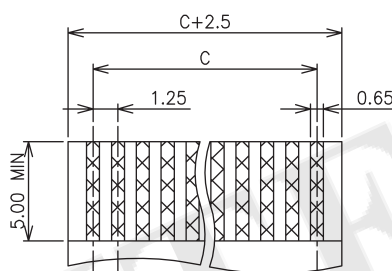
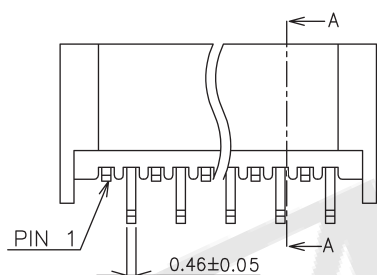
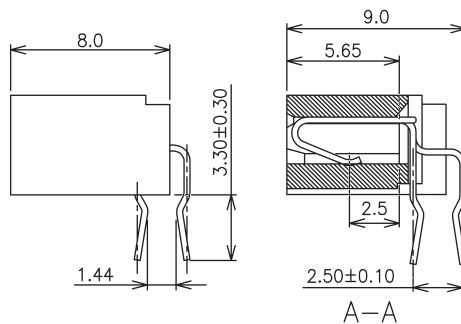
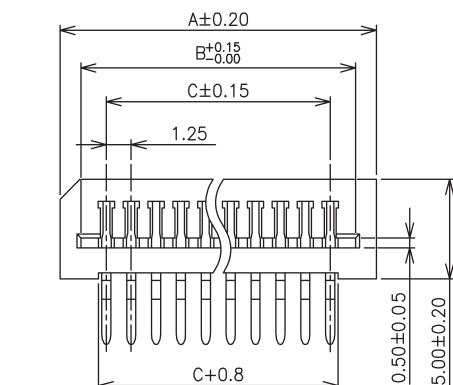
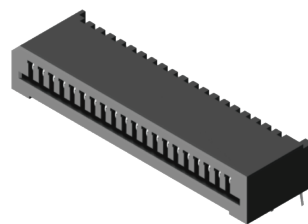
FPC/FFC 1.25mm Non-ZIF DIP R/A Type Single Contact H=5.0mm

Specifications

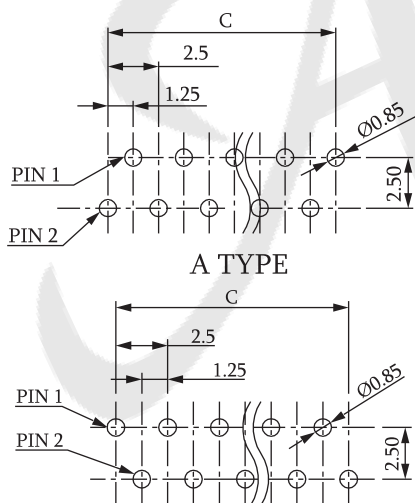
Current Rating: 1 AMP
Voltage Rating: 200V AC/DC
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25 °C to +85 °C

Material

Insulator: PBT, UL 94V-0
Contact Pin: Phosphor Bronze
T=0.300 Bright Tin plated over Nickel.



FPC/FFC T=0.30±0.05



B TYPE
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
02	5.90	3.80	1.25
03	7.15	5.05	2.50
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
07	12.15	10.05	7.50
08	13.40	11.30	8.75
09	14.65	12.55	10.00
10	15.90	13.80	11.25
11	17.15	15.05	12.50
12	18.40	16.30	13.75
13	19.65	17.55	15.00
14	20.90	18.80	16.25
15	22.15	20.05	17.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00
19	27.15	25.05	22.50

No. of Contacts	Dimensions		
	A	B	C
20	28.40	26.30	23.75
21	29.65	27.55	25.00
22	30.90	28.80	26.25
23	32.15	30.05	27.50
24	33.40	31.30	28.75
25	34.65	32.55	30.00
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28	38.40	36.30	33.75
29	39.65	37.55	35.00
30	40.90	38.80	36.25
31	42.15	40.05	37.50
32	43.40	41.30	38.75
33	44.65	42.55	40.00
34	45.90	43.80	41.25
35	47.15	45.05	42.50
36	48.40	46.30	43.75

ORDER INFORMATION

5 F P 2 B 2 R X D - X X

PCB Layout
A: A Type
B: B Type

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

L

L: RoHS + PBT

T - 0 1

T: Tube W/O Cap

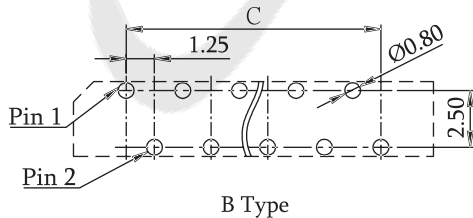
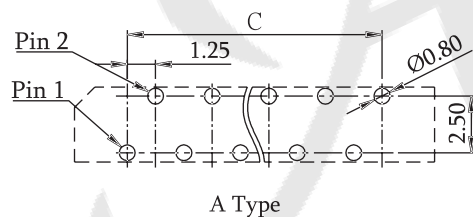
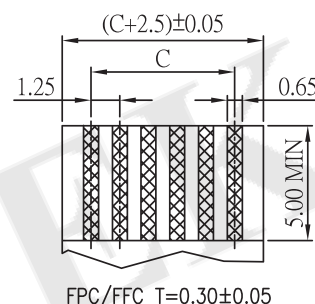
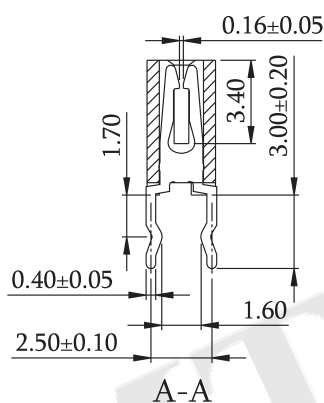
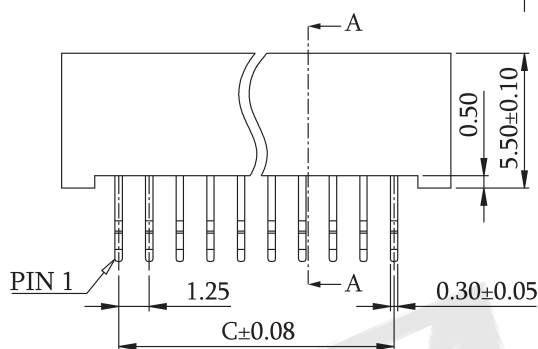
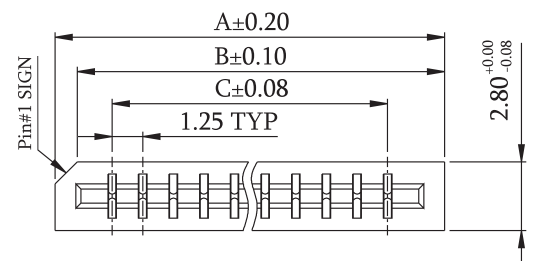
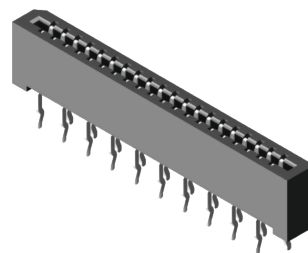
FPC/FFC 1.25mm Non-ZIF DIP Vertical Type H=5.5mm

Specifications

Current Rating: 1 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC/Minute
Operation Temperature: -25°C to +85°C

Material

Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
03	7.15	5.05	2.50
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
07	12.15	10.05	7.50
08	13.40	11.30	8.75
09	14.65	12.55	10.00
10	15.90	13.80	11.25
11	17.15	15.05	12.50
12	18.40	16.30	13.75
13	19.65	17.55	15.00
14	20.90	18.80	16.25
15	22.15	20.05	17.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00

No. of Contacts	Dimensions		
	A	B	C
18	25.90	23.80	21.25
19	27.15	25.05	22.50
20	28.40	26.30	23.75
21	29.65	27.55	25.00
22	30.90	28.80	26.25
23	32.15	30.05	27.50
24	33.40	31.30	28.75
25	34.65	32.55	30.00
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28	38.40	36.30	33.75
29	39.65	37.55	35.00
30	40.90	38.80	36.25
36	48.40	46.30	43.75

ORDER INFORMATION

5 F P 2 B 1 S X D - X X

PCB Layout
A:A Type
B:B Type

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

U

U: RoHS + Hi-Temp

T - 0 1

T: Tube W/O Cap

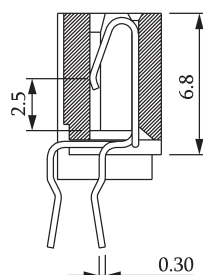
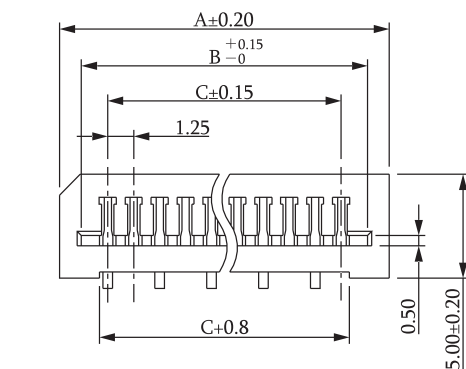
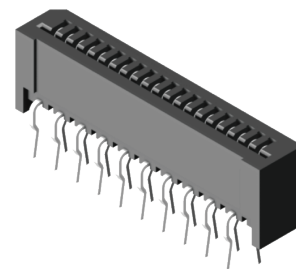
FPC/FFC 1.25mm Non-ZIF DIP Vertical Type Single Contact H=8.0mm

Specifications

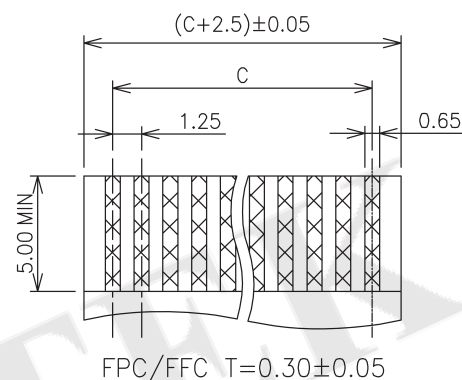
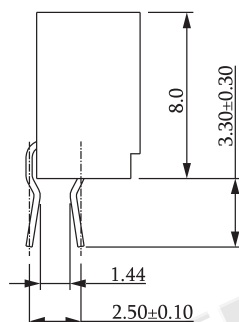
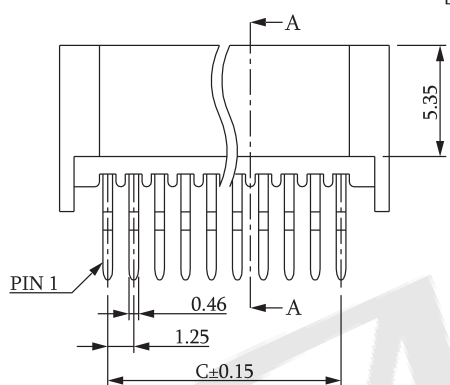
Current Rating: 1 AMP
 Insulation Resistance: 500MΩ Min.
 Contact Resistance: 30mΩ Max.
 Dielectric Voltage: 500V AC for one minute
 Operation Temperature: -25°C to +85°C

Material

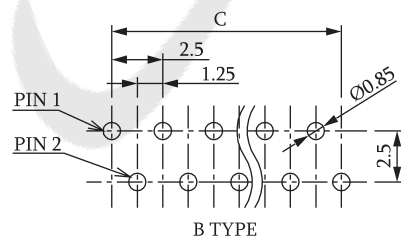
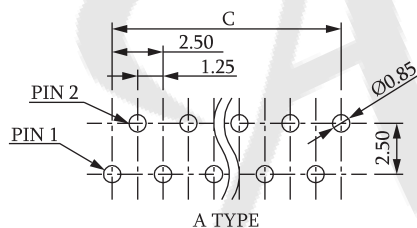
Insulator: PBT, UL 94V-0
 Contact Pin: Copper Alloy



A-A



FPC/FFC T=0.30±0.05



Recommended PCB Layout
 (PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
02	5.90	3.80	1.25
03	7.15	5.05	2.50
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
07	12.15	10.05	7.50
08	13.40	11.30	8.75
09	14.65	12.55	10.00
10	15.90	13.80	11.25
11	17.15	15.05	12.50
12	18.40	16.30	13.75
13	19.65	17.55	15.00
14	20.90	18.80	16.25
15	22.15	20.05	17.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00
18	25.90	23.80	21.25
19	27.15	25.05	22.50

No. of Contacts	Dimensions		
	A	B	C
20	28.40	26.30	23.75
21	29.65	27.55	25.00
22	30.90	28.80	26.25
23	32.15	30.05	27.50
24	33.40	31.30	28.75
25	34.65	32.55	30.00
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28	38.40	36.30	33.75
29	39.65	37.55	35.00
30	40.90	38.80	36.25
31	42.15	40.05	37.50
32	43.40	41.30	38.75
33	44.65	42.55	40.00
34	45.90	43.80	41.25
35	47.15	45.05	42.50
36	48.40	46.30	43.75

ORDER INFORMATION

5 F P 2 B 2 S X D - X X

PCB Layout
 A: A Type
 B: B Type

No. of Contacts
 See Table

T 0

T0: Tin Plated

B

B: Black

L

L: RoHS + PBT

T - 0 1

T: Tube W/O Cap

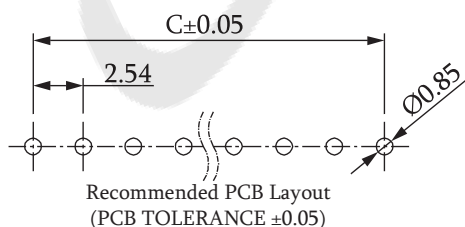
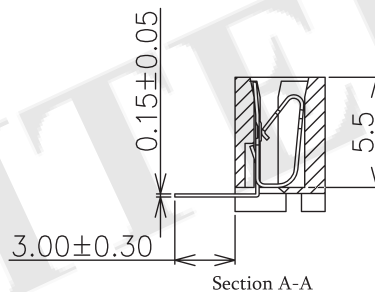
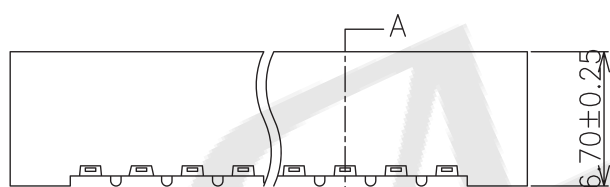
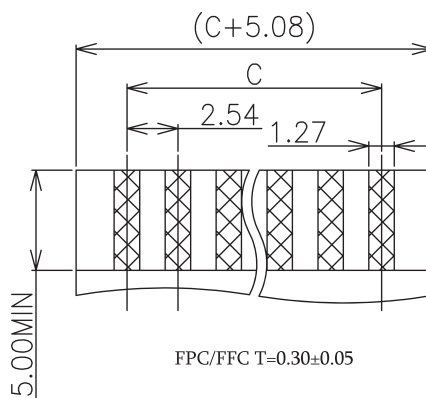
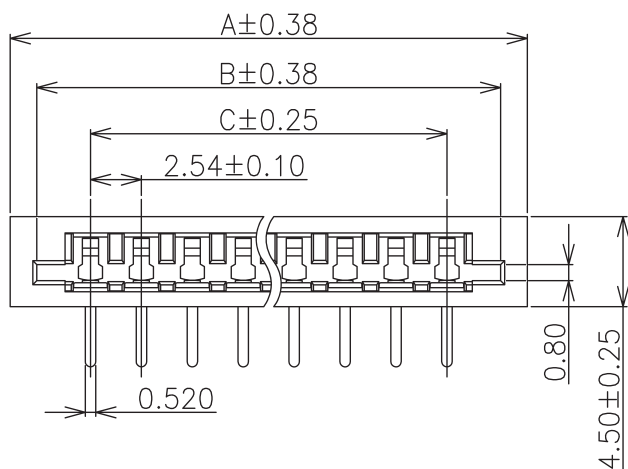
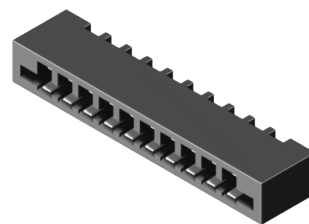
FPC/FFC 2.54mm Non-ZIF SMT R/A Type Single Contact H=4.5mm

Specifications

Current Rating: 3 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25°C to +85°C

Material

Insulator: PBT, UL 94V-0
Contact Pin: Copper Alloy



No. of Contacts	Dimensions		
	A	B	C
02	10.54	8.43	2.54
03	13.08	10.97	5.08
04	15.62	13.51	7.62
05	18.16	16.05	10.16
06	20.70	18.59	12.70
07	23.24	21.13	15.24
08	25.78	23.67	17.78
09	28.32	26.21	20.32
10	30.86	28.75	22.86
11	33.40	31.29	25.40
12	35.94	33.83	27.94
13	38.48	36.37	30.48
14	41.02	38.91	33.02

No. of Contacts	Dimensions		
	A	B	C
15	43.56	41.45	35.56
16	46.10	43.99	38.10
17	48.64	46.53	40.64
18	51.18	49.07	43.18
19	53.72	51.61	45.72
20	56.26	54.15	48.26
21	58.80	56.69	50.80
22	61.34	59.23	53.34
23	63.88	61.77	55.88
24	66.42	64.31	58.42
25	68.96	66.85	60.96
26	71.50	69.39	63.50

ORDER INFORMATION

5 F P 1 B 1 R N D - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

L

L: RoHS + PBT

T - 0 1

T: Tube W/O Cap

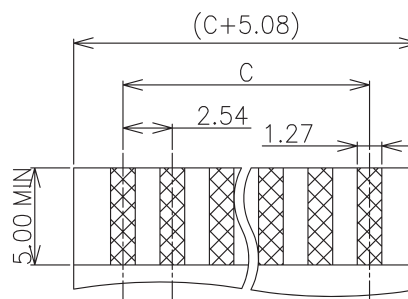
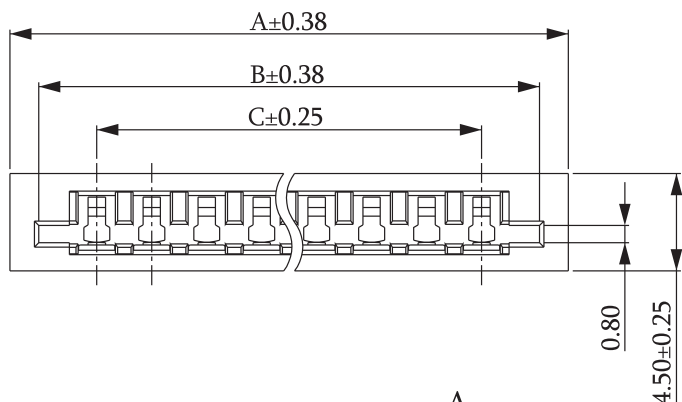
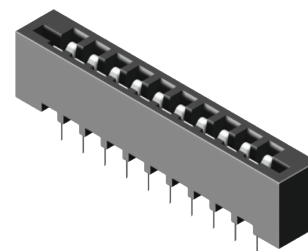
FPC/FFC 2.54mm Non-ZIF SMT Vertical Type Single Contact H=6.7mm

Specifications

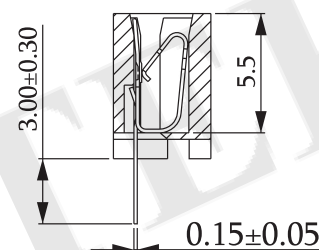
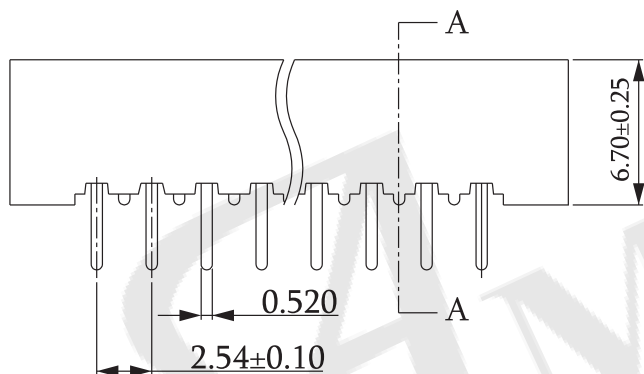
Current Rating: 3 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25°C to +85°C

Material

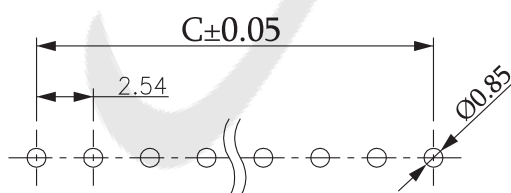
Insulator: PBT, UL 94V-0
Contact Pin: Copper Alloy



FPC/FFC T=0.3±0.05



SECTION A-A



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
03	13.08	10.97	5.08
04	15.62	13.51	7.62
05	18.16	16.05	10.16
06	20.70	18.59	12.70
07	23.24	21.13	15.24
08	25.78	23.67	17.78
09	28.32	26.21	20.32
10	30.86	28.75	22.86
11	33.40	31.29	25.40
12	35.94	33.83	27.94
13	38.48	36.37	30.48
14	41.02	38.91	33.02

No. of Contacts	Dimensions		
	A	B	C
15	43.56	41.45	35.56
16	46.10	43.99	38.10
17	48.64	46.53	40.64
18	51.18	49.07	43.18
19	53.72	51.60	45.72
20	56.26	54.15	48.26
21	58.80	56.69	50.80
22	61.34	59.23	53.34
23	63.88	61.77	55.88
24	66.42	64.31	58.42
25	68.96	66.85	60.96
26	71.50	69.39	63.50

ORDER INFORMATION

5 F P 1 B 1 S N D - X X

No. of Contacts
See Table

T 0

T0: Tin Plated

B

B: Black

L

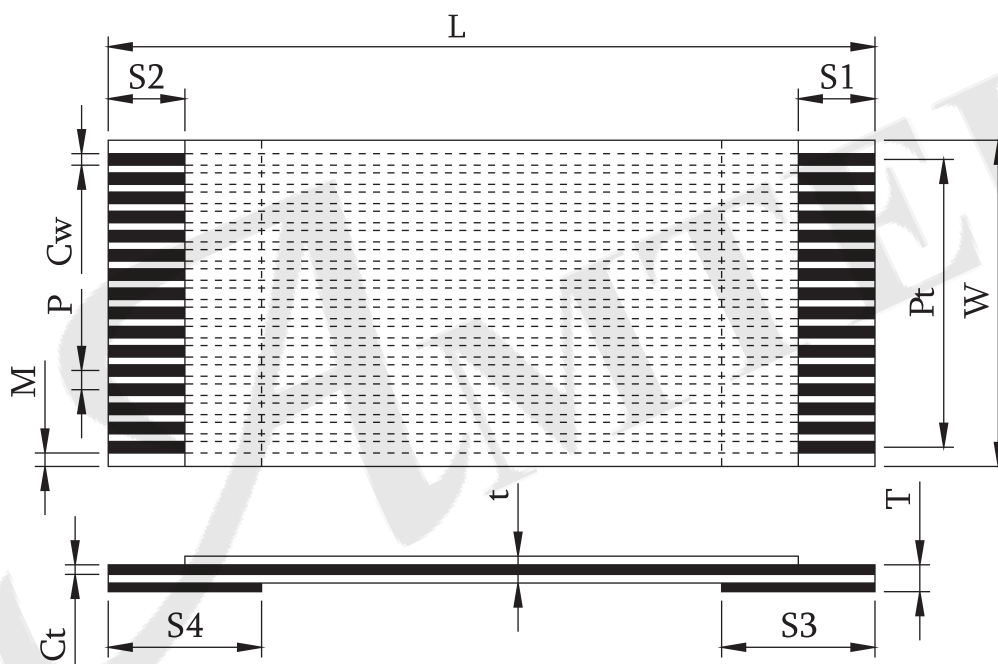
L: RoHS + PBT

T - 0 1

T: Tube W/O Cap

Flexible Flat Cable

Description	Abbr.	Formulation	Tolerance							
Pitch	P	Typical	P=0.3	P=0.5	P=0.8	P=1.0	P=1.25	P=1.27	P=2.00	P=2.54
No. of Contacts			21~100	06~90	05~80	04~70	04~70	04~70	04~35	04~33
Total Pitch	Pt	Px(n-1)	±0.05	±0.05	±0.08	±0.08	±0.12	±0.12	±0.12	±0.12
Width	W	Px(n+1)	±0.12	±0.12	±0.15	±0.15	±0.20	±0.20	±0.20	±0.20
Margin	M	P-(Cw×1/2)	±0.08	±0.08	±0.13	±0.13	±0.18	±0.18	±0.18	±0.18
Conduct Width	Cw	Typical	0.2	0.3	0.5	0.65	0.8	0.8	0.8	1.27
Conduct Thickness	Ct	Typical	0.035 / 0.05 / 0.1							
Total(Cable) Length	L	Typical	Over 30mm							
Strip Length	S1/S2	Typical	3/4/5/6							
Support Tape Length	S3/S4	Typical	6/8/10/12/15							
Terminal Thickness	T	Typical	0.2/0.3±0.05mm							



ORDER INFORMATION

F	X	X	X X - X X X	(4/4 / 8/8)	XXXXX	X				
Pitch A=Pitch 1.0mm B=Pitch 1.25mm C=Pitch 0.5mm D=Pitch 2.54mm E=Pitch 0.3mm F=Pitch 0.8mm G=Pitch 1.27mm H=Pitch 2.0mm	No. of Contacts (See Table)	Cable Length(L) (Over 30mm)	Strip Length(S1/S2) (3/4/5/6)	Support Tape Length(S3/S4) (6/8/10/12/15)	UL Standard 2896: 80° C,30V 20624: 80° C,60V 2643: 105° C,300V 20706: 105° C,60V	Add. Option Blank: W/O Add. Option A: Al. Foil B: Copper Foil C: Conductive Fabric D: Mylar				
© F:Flexible (For Pitch:0.5~1.27) S:Super Flexible (For Pitch:0.5/1.0/1.25) L:Low Flexible (Ct=0.1)	Ct=0.05 t=0.14 (Pitch 0.3mm t=0.20) Ct=0.05 t=0.20 (2643) Ct=0.035 t=0.12 Ct=0.035 t=0.195 (2643) t=0.22 (20706) t=0.22 (2896) t=0.22 (20624) t=0.26 (2643)	Type <table border="1"> <tr> <td>A</td> <td>C</td> </tr> <tr> <td>B</td> <td>D</td> </tr> </table>		A	C	B	D	Remark (1)S3/S4 have to be longer than S1/S2 (2)UL 2643 only for low flexible products (3)For Pitch:0.3mm,the recommended terminal thickness is 0.2mm. (4)Terminal thickness 0.2mm option is only for Flexible and Super Flexible.		
A	C									
B	D									