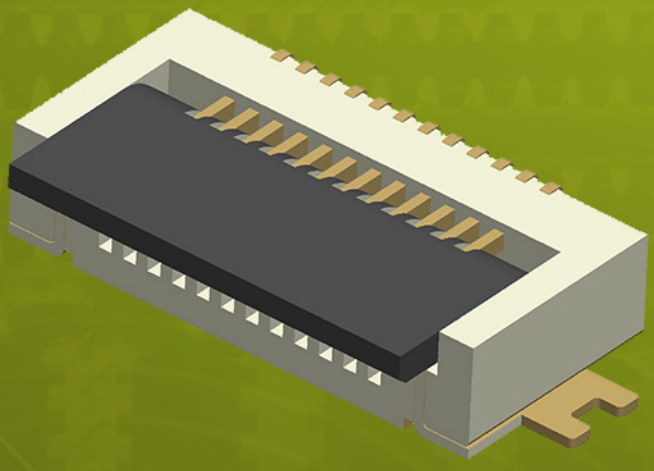
FPC / FFC

Connectors



www.amtek-co.com.tw

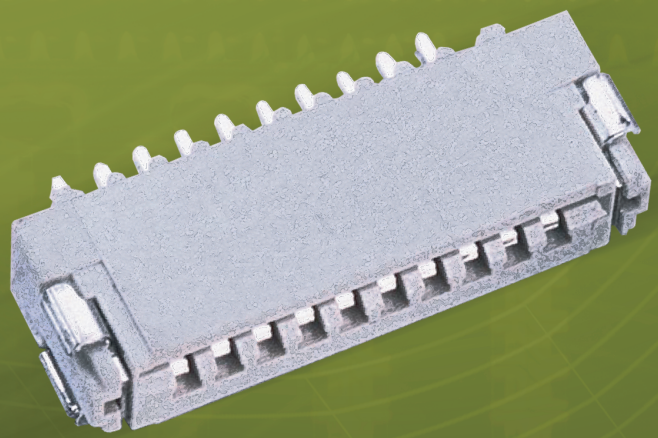
3D Interactive Catalogue online

FPC / FFC

Connectors

F PC/FFC Connectors

4-1	• FPC 0.20mm
4-2	• FPC 0.25mm
4-3 ~ 4-5	• FPC 0.30mm
4-6 ~ 4-21	• FPC 0.50mm
4-22 ~ 4-36	• FPC 1.00mm
4-37 ~ 4-41	• FPC 1.25mm
4-42 ~ 4-43	• FPC 2.54mm
4-44	• Flat Cable



AMTEK CONNECTORS MANUFACTURER

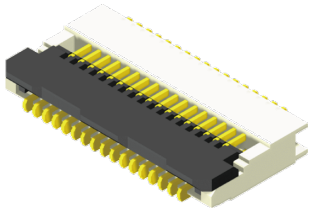
FPC

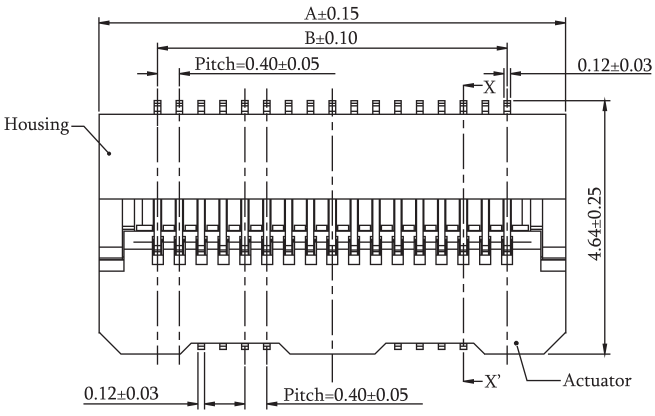
HOT 4-1 FPC/FFC 0.2mm ZIF SMT R/A Type Front Flip H=1.2mm
NEW 4-2 FPC/FFC 0.25mm ZIF with Lock SMT R/A Type Back Flip H=0.5mm
NEW 4-3 FPC/FFC 0.3mm ZIF with Lock SMT R/A Back Flip H=0.9mm
4-4 FPC/FFC 0.3mm ZIF SMT R/A Type Front Flip H=0.9mm
4-5 FPC/FFC 0.3mm ZIF SMT R/A Type Back Flip H=0.9mm
NEW 4-6 FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=2.55mm
NEW 4-7 FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=1.75mm
NEW 4-8 FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Back Flip H=0.9/0.95mm
NEW 4-9 FPC/FFC0.5mm ZIF with Lock Flip SMT Vertical Type Flip H=5.2mm
4-10 FPC/FFC 0.5mm ZIF SMT R/A Type Back Flip H=1.0mm
4-11 FPC/FFC 0.5mm ZIF SMT R/A Type Front Flip H=2.0mm
4-12 FPC/FFC 0.5mm ZIF SMT R/A Type Front Flip H=2.17mm
4-13 FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=2.1mm
4-14 FPC/FFC 0.5mm ZIF SMT R/A Type Slim Slider Bottom & Top Contact H=1.2mm
4-15 FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm
4-16 FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm
4-17 FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm
4-18 FPC/FFC 0.5mm ZIF SMT Vertical Type Flip H=3.6mm
4-19 FPC/FFC 0.5mm ZIF SMT Vertical Type Slider H=4.45/5.0mm
4-20 FPC/FFC 0.5mm Non-ZIF SMT R/A Type H=1.5mm
4-21 FPC/FFC 0.5mm Non-ZIF SMT Vertical Type H=3.9mm
4-22 FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=1.2mm
4-23 FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm
4-24 FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm
4-25 FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm
4-26 FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.56mm
4-27 FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=4.1mm
4-28 FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=5.5mm
4-29 FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=6.15mm
4-30 FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.8mm
4-31 FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.9mm
4-32 FPC/FFC 1.0mm Non-ZIF SMT R/A Type Single Contact H=3.1mm
4-33 FPC/FFC 1.0mm Non-ZIF SMT Vertical Type H=5.6mm
4-34 FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm
4-35 FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm
4-36 FPC/FFC 1.0mm Non-ZIF DIP Vertical Type H=5.5mm
4-37 FPC/FFC 1.25mm Non-ZIF SMT Vertical Type H=5.5mm
4-38 FPC/FFC 1.25mm Non-ZIF DIP R/A Type H=2.8mm
4-39 FPC/FFC 1.25mm Non-ZIF DIP R/A Type Single Contact H=5.0mm
4-40 FPC/FFC 1.25mm Non-ZIF DIP Vertical Type H=5.5mm
4-41 FPC/FFC 1.25mm Non-ZIF DIP Vertical Type Single Contact H=8.0mm
4-42 FPC/FFC 2.54mm Non-ZIF DIP R/A Type Single Contact H=4.5mm
4-43 FPC/FFC 2.54mm Non-ZIF DIP Vertical Type Single Contact H=6.7mm
4-44 Flexible Flat Cable

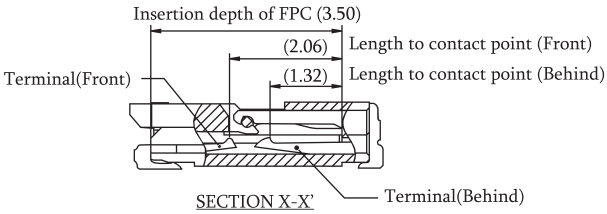
FPC/FFC 0.2mm ZIF SMT R/A Type Front Flip H=1.2mm

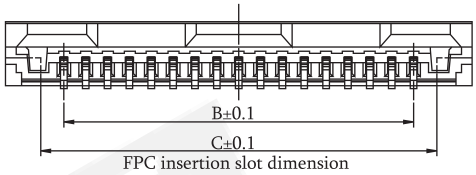
Specifications
Current Rating: 0.25 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 120V AC for one minute
Operation Temperature: -55˚C to +85˚C

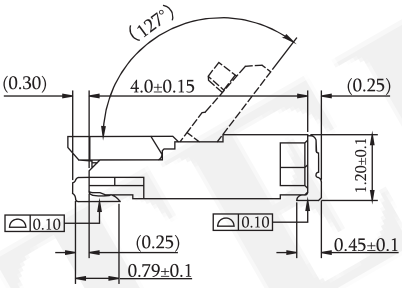
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

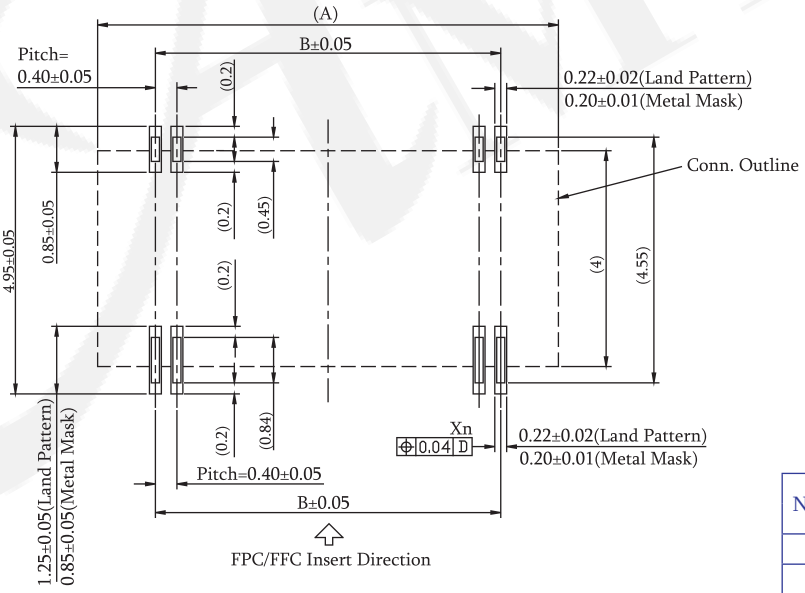












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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

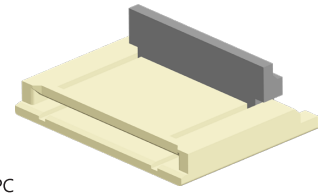
◎:Standard Recommended

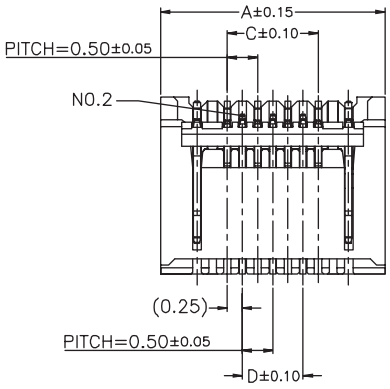
Old P/N:FPC9AMR1C

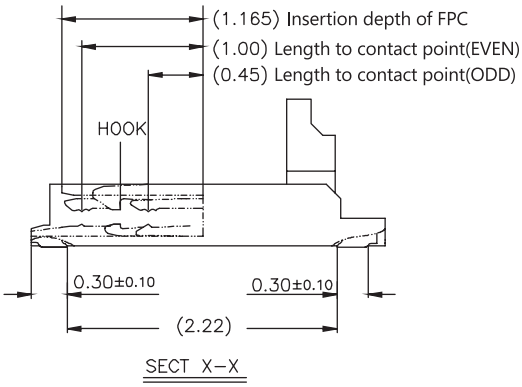
FPC/FFC 0.25mm ZIF with Lock SMT R/A Type Back Flip H=0.5mm

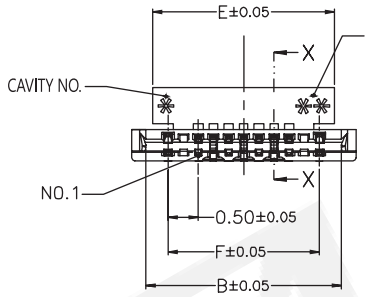
Specifications
Rated Current: 0.2A, DC
Rated Voltage: 30V AC
Operating Temperature: -55°C to +85°C

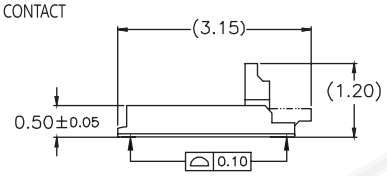
Material
Housing: LCP, UL94V-0
Actuator: LCP, UL94V-0, Black
Terminal: Phosphor Bronze
Hook: Phosphor Bronze

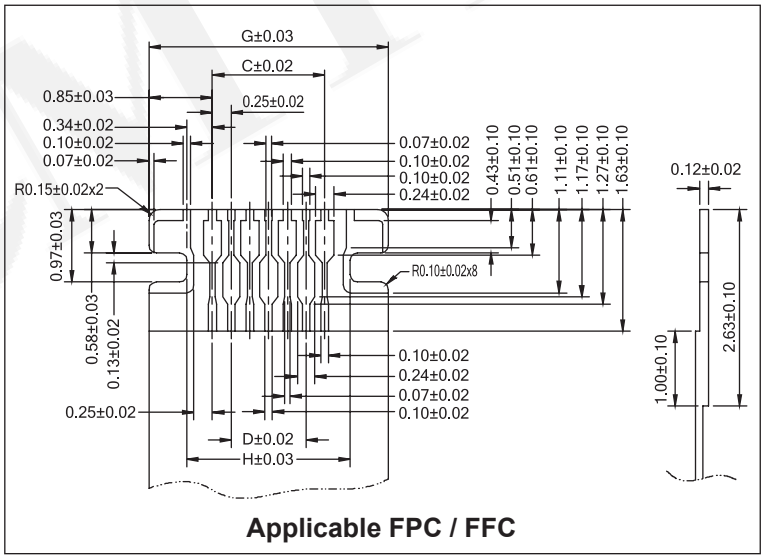




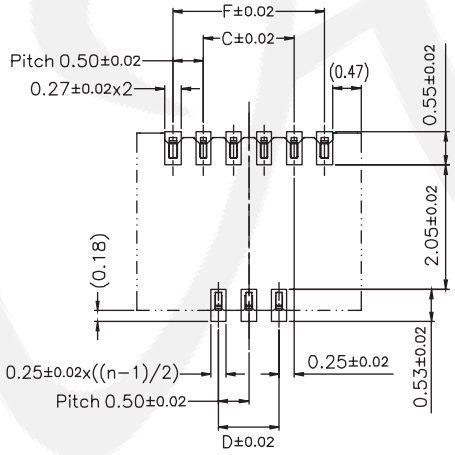








Applicable FPC / FFC



FPC INSERT DIRECTION

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions							
	A	B	C	D	E	F	G	H
07	3.70	3.23	1.50	1.00	3.00	2.50	3.20	2.18
11	4.70	4.23	2.50	2.00	4.00	3.50	4.20	3.18
15	5.70	5.23	3.50	3.00	5.00	4.50	5.20	4.18

ORDER INFORMATION

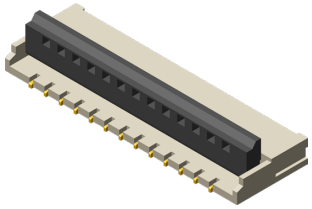
5 F C 5 C M R C C - X X — No. of Contacts
G 0 — G0:Gold Flash
W — W:Natural
U — RoHS
H - 0 1 — H:T/R W/O Cap

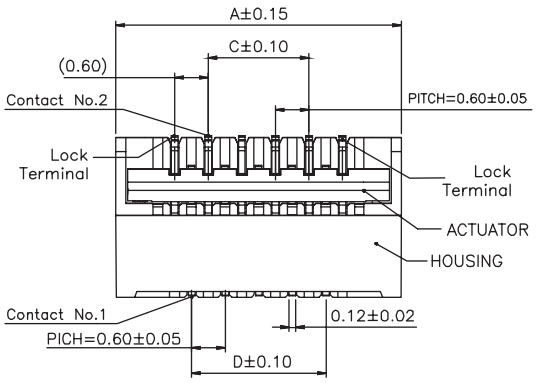
◎:Standard Recommended

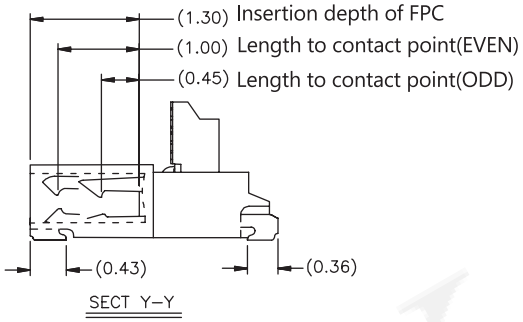
FPC/FFC 0.3mm ZIF with Lock SMT R/A Type Back Flip H=0.9mm

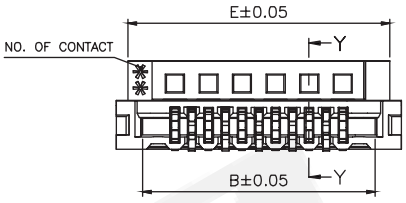
Specifications
Current Rating: 0.2A
Voltage Rating: 50V AC
Operation Temperature: -25°C to +85°C

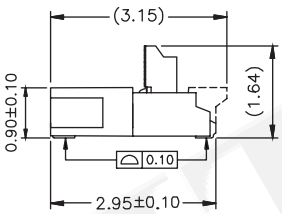
Material
Housing: LCP, UL94V-0, Natural
Actuator: LCP, UL94V-0, Black
Contact Pin: Phosphor Bronze
Solder Tab: Phosphor Bronze

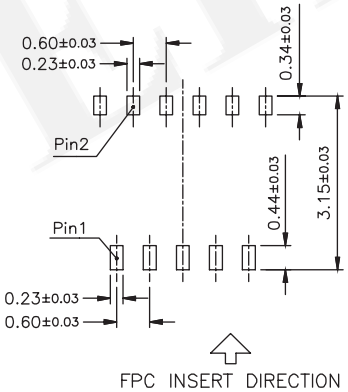


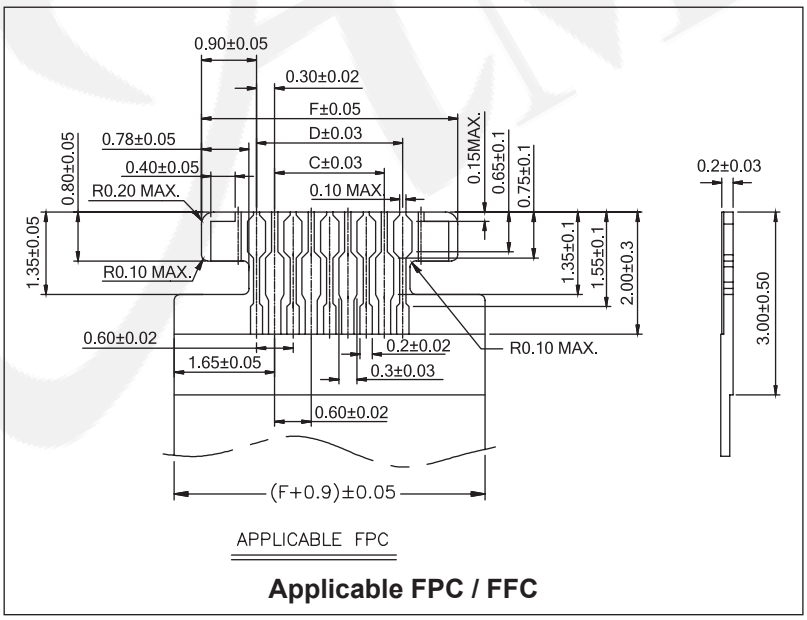












Applicable FPC / FFC

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions					
	A	B	C	D	E	F
13	6.30	5.43	3.00	3.60	5.87	5.40
15	6.90	6.03	3.60	4.20	6.47	6.00
17	7.50	6.63	4.20	4.80	7.07	6.60
19	8.10	7.23	4.80	5.40	7.67	7.20
21	8.70	7.83	5.40	6.00	8.27	7.80
23	9.30	8.43	6.00	6.60	8.87	8.40
27	10.50	9.63	7.20	7.80	10.07	9.60
31	11.70	10.83	8.40	9.00	11.27	10.80
35	12.90	12.03	9.60	10.20	12.47	12.00
37	13.50	12.63	10.20	10.80	13.07	12.60
41	14.70	13.83	11.4	12.00	14.27	13.80
47	16.50	15.63	13.20	13.80	16.07	15.60
57	19.50	18.63	16.20	16.80	19.07	18.60

ORDER INFORMATION

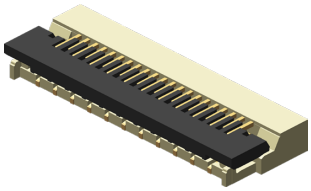
5	F	C	6	C	M	R	C	C	-	X	X	G	0	W	U	H	-	0	1
										No. of Contacts		G0:Gold Flash		W:Natural	RoHS	H:T/R W/O Cap			

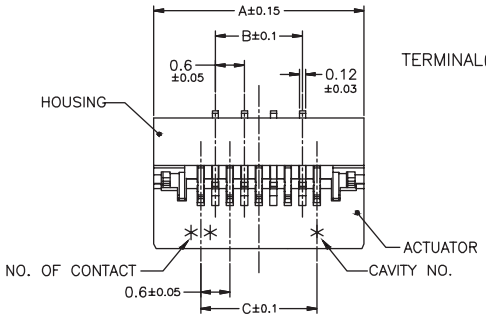
◎:Standard Recommended

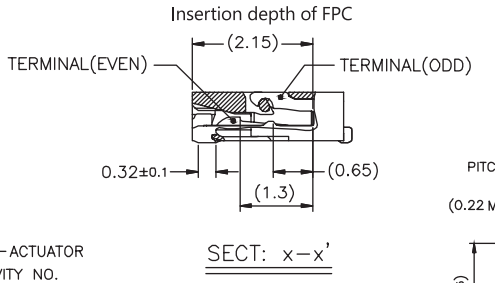
FPC/FFC 0.3mm ZIF SMT R/A Type Front Flip H=0.9mm

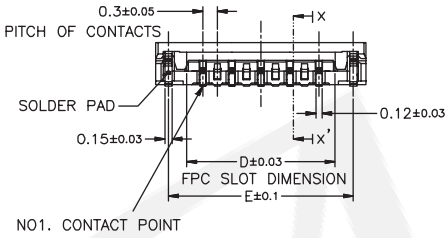
Specifications
Current Rating: 0.2 AMP
Insulation Resistance: ≥50 MΩ
Contact Resistance: ≤30mΩ
Contact Resistance: Even Terminal ≤50mΩ, Odd Terminal ≤80mΩ
Dielectric Strength: 250V AC, for one minute
Operating Temperature: -40°C to +85°C

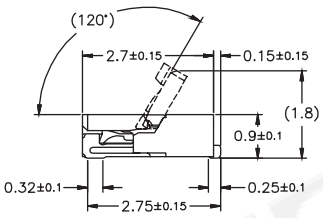
Material
Insulator: LCP, UL 94V-0
Actuator: LCP, Black, UL 94V-0
Terminal: Phosphor Bronze

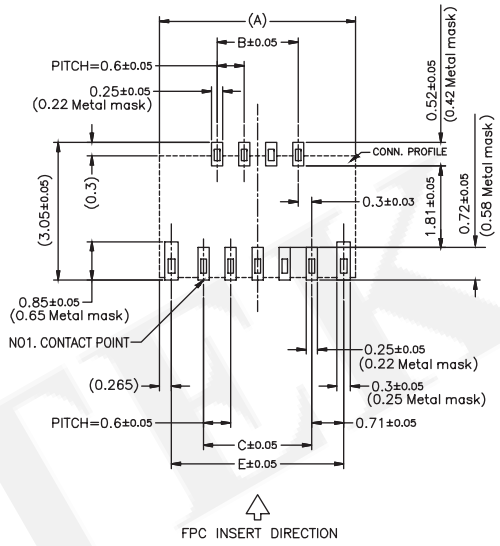




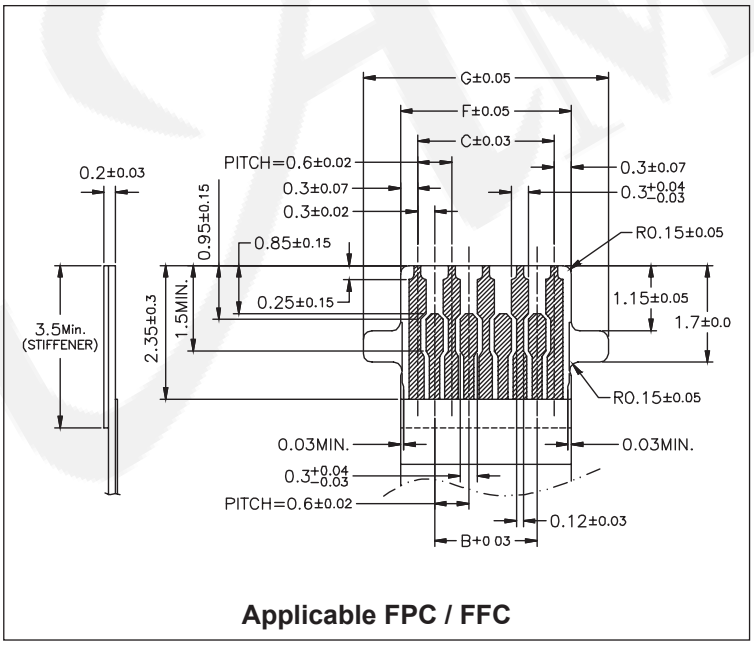








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions						
	A	B	C	D	E	F	G
09	4.35	1.8	2.4	3.06	3.82	3.0	4.3
11	4.95	2.4	3.0	3.66	4.42	3.6	4.9
13	5.55	3.0	3.6	4.26	5.02	4.2	5.5
15	6.15	3.6	4.2	4.86	5.62	4.8	6.1
17	6.75	4.2	4.8	5.46	6.22	5.4	6.7
19	7.35	4.8	5.4	6.06	6.82	6.0	7.3
21	7.95	5.4	6.0	6.66	7.42	6.6	7.9
23	8.55	6.0	6.6	7.26	8.02	7.2	8.5
25	9.15	6.6	7.2	7.86	8.62	7.8	9.1
27	9.75	7.2	7.8	8.46	9.22	8.4	9.7
29	10.35	7.8	8.4	9.06	9.82	9.0	10.3
31	10.95	8.4	9.0	9.66	10.42	9.6	10.9
33	11.55	9.0	9.6	10.26	11.02	10.2	11.5
35	12.15	9.6	10.2	10.86	11.62	10.8	12.1
37	12.75	10.2	10.8	11.46	12.22	11.4	12.7
39	13.35	10.8	11.4	12.06	12.82	12.0	13.3
41	13.95	11.4	12.0	12.66	13.42	12.6	13.9
43	14.55	12.0	12.6	13.26	14.02	13.2	14.5
45	15.15	12.6	13.2	13.86	14.62	13.8	15.1
49	16.35	13.8	14.4	15.06	15.82	15.0	16.3
51	16.95	14.4	15.0	15.66	16.42	15.6	16.9
57	18.75	16.2	16.8	17.46	18.22	17.4	18.7
61	19.95	17.4	18.0	18.66	19.42	18.6	19.9
67	21.75	19.2	19.8	20.46	21.22	20.4	21.7
71	22.95	20.4	21.0	21.66	22.42	21.6	22.9

ORDER INFORMATION

5	F	C	6	A	M	R	N	C	-	X	X	G	0	W	U	H	-	0	2

- XX: No. of Contacts — See Table
- G0: G0:Gold Flash
- W: W:White
- U: U:RoHS + Hi-Temp
- H02: H:T/R W/O Cap

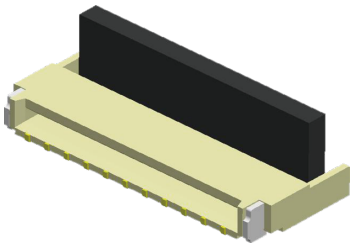
◎:Standard Recommended

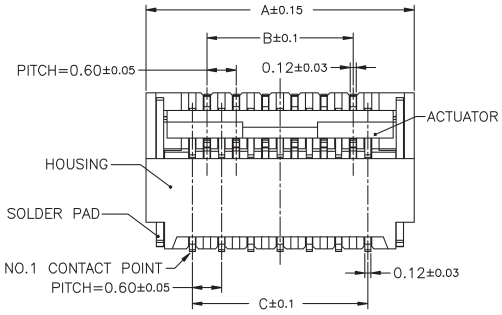
Old P/N:FPC6AMR1

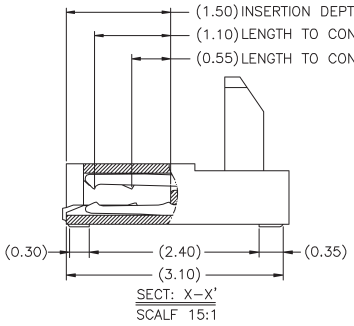
FPC/FFC 0.3mm ZIF SMT R/A Type Back Flip H=0.9mm

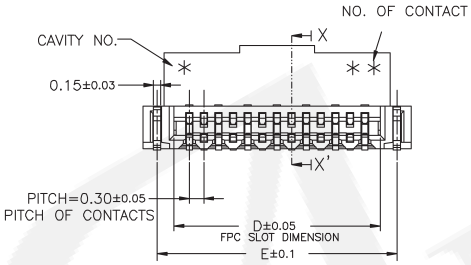
Specifications
Current Rating: 0.2 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55˚C to +85˚C

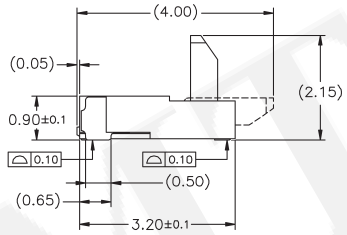
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

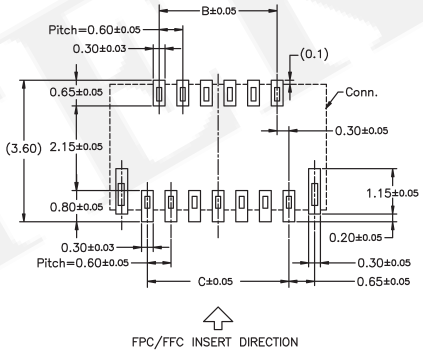




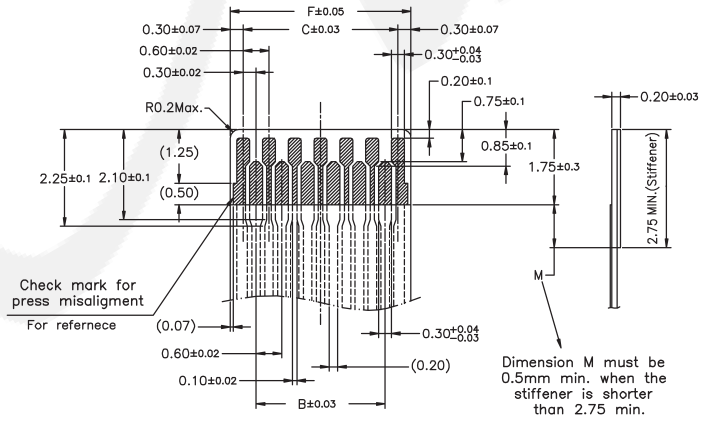








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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	G	0	W	U	H	-	0	1

- XX: No. of Contacts — See Table
- G0: G0:Gold Flash
- W: W:White
- U: U:RoHS + Hi-Temp
- H: H:T/R W/O Cap

◎:Standard Recommended

Old P/N:FPC6AMR1D

RoHS

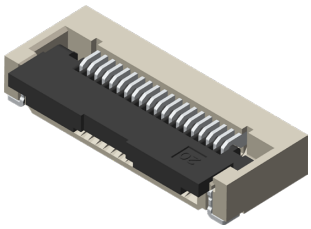
FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=2.55mm

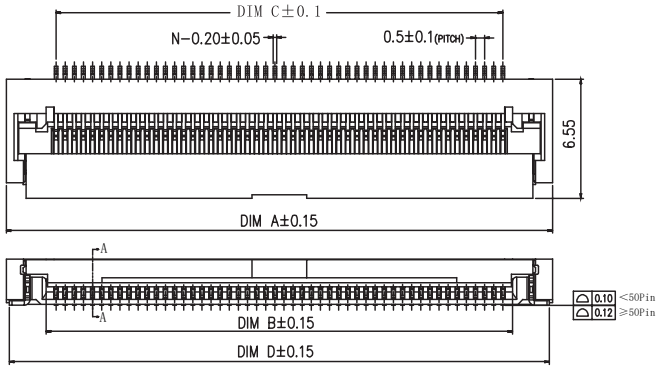
Specifications

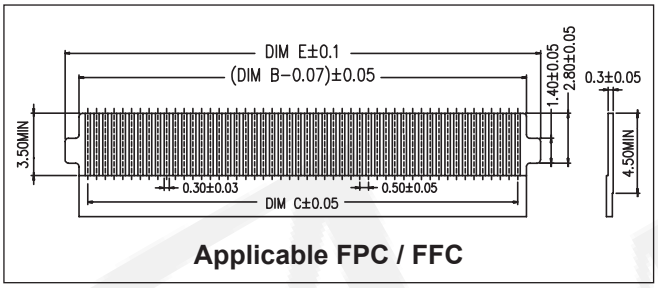
Current Rating: 0.5A
Voltage Rating: 50V AC
Insulation Resistance: ≥500MΩ
Contact Resistance: ≤50mΩ
Dielectric Strength: 150V AC for one minute
Operation Temperature: -25°C To +85°C

Material

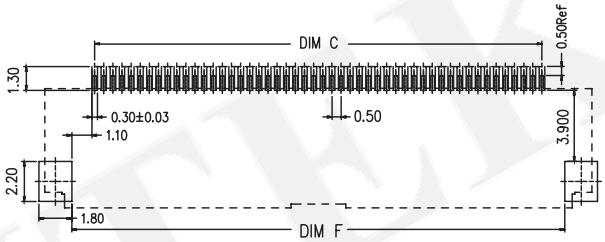
Housing: LCP, UL94V-0, Natural
Actuator: LCP, UL94V-0, Black
Contact Pin: Copper Alloy
Solder Tab: Copper Alloy







Applicable FPC / FFC



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions					
	A	B	C	D	E	F
04	6.95	3.57	1.50	6.60	4.10	4.50
05	7.45	4.07	2.00	7.10	4.60	5.00
06	7.95	4.57	2.50	7.60	5.10	5.50
07	8.45	5.07	3.00	8.10	5.60	6.00
08	8.95	5.57	3.50	8.60	6.10	6.50
09	9.45	6.07	4.00	9.10	6.60	7.00
10	9.95	6.57	4.50	9.60	7.10	7.50
11	10.45	7.07	5.00	10.10	7.60	8.00
12	10.95	7.57	5.50	10.60	8.10	8.50
13	11.45	8.07	6.00	11.10	8.60	9.00
14	11.95	8.57	6.50	11.60	9.10	9.50
15	12.45	9.07	7.00	12.10	9.60	10.00
16	12.95	9.57	7.50	12.60	10.10	10.50
17	13.45	10.07	8.00	13.10	10.60	11.00
18	13.95	10.57	8.50	13.60	11.10	11.50
19	14.45	11.07	9.00	14.10	11.60	12.00
20	14.95	11.57	9.50	14.60	12.10	12.50
21	15.45	12.07	10.00	15.10	12.60	13.00
22	15.95	12.57	10.50	15.60	13.10	13.50
23	16.45	13.07	11.00	16.10	13.60	14.00
24	16.95	13.57	11.50	16.60	14.10	14.50
25	17.45	14.07	12.00	17.10	14.60	15.00
26	17.95	14.57	12.50	17.60	15.10	15.50
27	18.45	15.07	13.00	18.10	15.60	16.00
28	18.95	15.57	13.50	18.60	16.10	16.50
29	19.45	16.07	14.00	19.10	16.60	17.00

No. of Contacts	Dimensions					
	A	B	C	D	E	F
30	19.95	16.57	14.50	19.60	17.10	17.50
31	20.45	17.07	15.00	20.10	17.60	18.00
32	20.95	17.57	15.50	20.60	18.10	18.50
33	21.45	18.07	16.00	21.10	18.60	19.00
34	21.95	18.57	16.50	21.60	19.10	19.50
35	22.45	19.07	17.00	22.10	19.60	20.00
36	22.95	19.57	17.50	22.60	20.10	20.50
37	23.45	20.07	18.00	23.10	20.60	21.00
38	23.95	20.57	18.50	23.60	21.10	21.50
39	24.45	21.07	19.00	24.10	21.60	22.00
40	24.95	21.57	19.50	24.60	22.10	22.50
41	25.45	22.07	20.00	25.10	22.60	23.00
42	25.95	22.57	20.50	25.60	23.10	23.50
43	26.45	23.07	21.00	26.10	23.60	24.00
44	26.95	23.57	21.50	26.60	24.10	24.50
45	27.45	24.07	22.00	27.10	24.60	25.00
46	27.95	24.57	22.50	27.60	25.10	25.50
47	28.45	25.07	23.00	28.10	25.60	26.00
48	28.95	25.57	23.50	28.60	26.10	26.50
49	29.45	26.07	24.00	29.10	26.60	27.00
50	29.95	26.57	24.50	29.60	27.10	27.50
51	30.45	27.07	25.00	30.10	27.60	28.00
52	30.95	27.57	25.50	30.60	28.10	28.50
53	31.45	28.07	26.00	31.10	28.60	29.00
54	31.95	28.57	26.50	31.60	29.10	29.50
55	32.45	29.07	27.00	32.10	29.60	30.00

No. of Contacts	Dimensions					
	A	B	C	D	E	F
56	32.95	29.57	27.50	32.60	30.10	30.50
57	33.45	30.07	28.00	33.10	30.60	31.00
58	33.95	30.57	28.50	33.60	31.10	31.50
59	34.45	31.07	29.00	34.10	31.60	32.00
60	34.95	31.57	29.50	34.60	32.10	32.50
61	35.45	32.07	30.00	35.10	32.60	33.00
62	35.95	32.57	30.50	35.60	33.10	33.50
63	36.45	33.07	31.00	36.10	33.60	34.00
64	36.95	33.57	31.50	36.60	34.10	34.50
65	37.45	34.07	32.00	37.10	34.60	35.00
66	37.95	34.57	32.50	37.60	35.10	35.50
67	38.45	35.07	33.00	38.10	35.60	36.00
68	38.95	35.57	33.50	38.60	36.10	36.50
69	39.45	36.07	34.00	39.10	36.60	37.00
70	39.95	36.57	34.50	39.60	37.10	37.50
71	40.45	37.07	35.00	40.10	37.60	38.00
72	40.95	37.57	35.50	40.60	38.10	38.50
73	41.45	38.07	36.00	41.10	38.60	39.00
74	41.95	38.57	36.50	41.60	39.10	39.50
75	42.45	39.07	37.00	42.10	39.60	40.00
76	42.95	39.57	37.50	42.60	40.10	40.50
77	43.45	40.07	38.00	43.10	40.60	41.00
78	43.95	40.57	38.50	43.60	41.10	41.50
79	44.45	41.07	39.00	44.10	41.60	42.00
80	44.95	41.57	39.50	44.60	42.10	42.50

ORDER INFORMATION

5	F	C	4	D	M	R	N	R	-	X	X	G	0	W	U	H	-	0	1

- XX: No. of Contacts
- G0: G0:Gold Flash
- W: W:Natural
- U: RoHS
- H-01: H:T/R W/O Cap

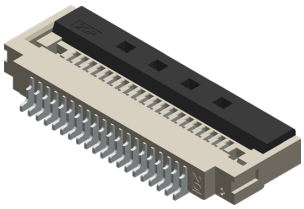
◎:Standard Recommended

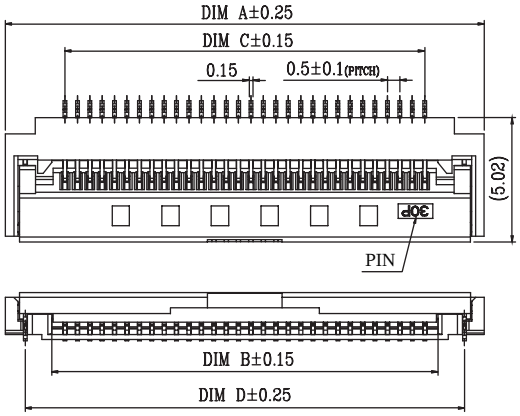
AMTEK

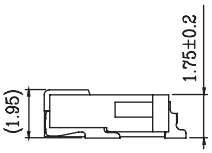
FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=1.75mm

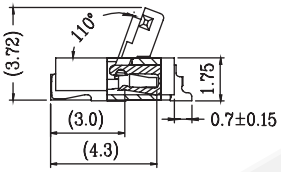
Specifications
Current Rating: 0.5A
Voltage Rating: 50V AC
Insulation Resistance: ≥500MΩ
Dielectric Strength: 150V AC for one minute
Operation Temperature: -25°C to +85°C

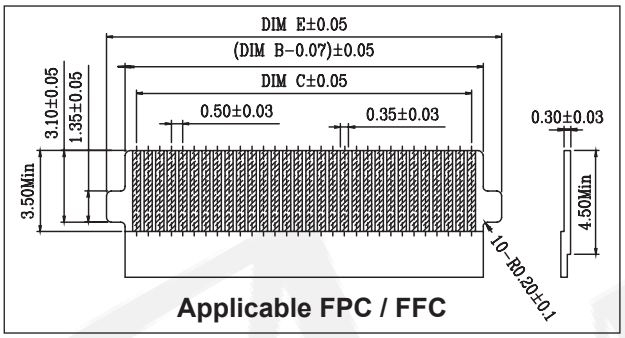
Material
Housing: LCP, UL94V-0, Natural
Actuator: LCP, UL94V-0, Black
Contact Pin: Copper Alloy
Solder Tab: Copper Alloy



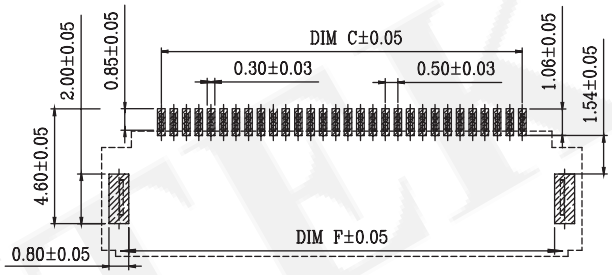








Applicable FPC / FFC



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions					
	A	B	C	D	E	F
05	6.80	3.07	2.00	5.20	4.60	4.60
06	7.30	3.57	2.50	5.70	5.10	5.10
07	7.80	4.07	3.00	6.20	5.60	5.60
08	8.30	4.57	3.50	6.70	6.10	6.10
09	8.80	5.07	4.00	7.20	6.60	6.60
10	9.30	5.57	4.50	7.70	7.10	7.10
11	9.80	6.07	5.00	8.20	7.60	7.60
12	10.30	6.57	5.50	8.70	8.10	8.10
13	10.80	7.07	6.00	9.20	8.60	8.60
14	11.30	7.57	6.50	9.70	9.10	9.10
15	11.80	8.07	7.00	10.20	9.60	9.60
16	12.30	8.57	7.50	10.70	10.10	10.10
17	12.80	9.07	8.00	11.20	10.60	10.60
18	13.30	9.57	8.50	11.70	11.10	11.10
19	13.80	10.07	9.00	12.20	11.60	11.60
20	14.30	10.57	9.50	12.70	12.10	12.10
21	14.80	11.07	10.00	13.20	12.60	12.60
22	15.30	11.57	10.50	13.70	13.10	13.10
23	15.80	12.07	11.00	14.20	13.60	13.60
24	16.30	12.57	11.50	14.70	14.10	14.10
25	16.80	13.07	12.00	15.20	14.60	14.60
26	17.30	13.57	12.50	15.70	15.10	15.10
27	17.80	14.07	13.00	16.20	15.60	15.60
28	18.30	14.57	13.50	16.70	16.10	16.10
29	18.80	15.07	14.00	17.20	16.60	16.60
30	19.30	15.57	14.50	17.70	17.10	17.10

No. of Contacts	Dimensions					
	A	B	C	D	E	F
31	19.80	16.07	15.00	18.20	17.60	17.60
32	20.30	16.57	15.50	18.70	18.10	18.10
33	20.80	17.07	16.00	19.20	18.60	18.60
34	21.30	17.57	16.50	19.70	19.10	19.10
35	21.80	18.07	17.00	20.20	19.60	19.60
36	22.30	18.57	17.50	20.70	20.10	20.10
37	22.80	19.07	18.00	21.20	20.60	20.6
38	23.30	19.57	18.50	21.70	21.10	21.10
39	23.80	20.07	19.00	22.20	21.60	21.60
40	24.30	20.57	19.50	22.70	22.10	22.10
41	24.80	21.07	20.00	23.20	22.60	22.60
42	25.30	21.57	20.50	23.70	23.10	23.10
43	25.80	22.07	21.00	24.20	23.60	23.60
44	26.30	22.57	21.50	24.70	24.10	24.10
45	26.80	23.07	22.00	25.20	24.60	24.60
46	27.30	23.57	22.50	25.70	25.10	25.10
47	27.80	24.07	23.00	26.20	25.60	25.60
48	28.30	24.57	23.50	26.70	26.10	26.10
49	28.80	25.07	24.00	27.20	26.60	26.60
50	29.30	25.57	24.50	27.70	27.10	27.10
51	29.80	26.07	25.00	28.20	27.60	27.60
52	30.30	26.57	25.50	28.70	28.10	28.10
53	30.80	27.07	26.00	29.20	28.60	28.60
54	31.30	27.57	26.50	29.70	29.10	29.10
55	31.80	28.07	27.00	30.20	29.60	29.60
56	32.30	28.57	27.50	30.70	30.10	30.10

No. of Contacts	Dimensions					
	A	B	C	D	E	F
57	32.80	29.07	28.00	31.20	30.60	30.60
58	33.30	29.57	28.50	31.70	31.10	31.10
59	33.80	30.07	29.00	32.20	31.60	31.60
60	34.30	30.57	29.50	32.70	32.10	32.10
61	34.80	31.07	30.00	33.20	32.60	32.60
62	35.30	31.57	30.50	33.70	33.10	33.10
63	35.80	32.07	31.00	34.20	33.60	33.60
64	36.30	32.57	31.50	34.70	34.10	34.10
65	36.80	33.07	32.00	35.20	34.60	34.60
66	37.30	33.57	32.50	35.70	35.10	35.10
67	37.80	34.07	33.00	36.20	35.60	35.60
68	38.30	34.57	33.50	36.70	36.10	36.10
69	38.80	35.07	34.00	37.20	36.60	36.60
70	39.30	35.57	34.50	37.70	37.10	37.10
71	39.80	36.07	35.00	38.20	37.60	37.60
72	40.30	36.57	35.50	38.70	38.10	38.10
73	40.80	37.07	36.00	39.20	38.60	38.60
74	41.30	37.57	36.50	39.70	39.10	39.10
75	41.80	38.07	37.00	40.20	39.60	39.60
76	42.30	38.57	37.50	40.70	40.10	40.10
77	42.80	39.07	38.00	41.20	40.60	40.60
78	43.30	39.57	38.50	41.70	41.10	41.10
79	43.80	40.07	39.00	42.20	41.60	41.60
80	44.30	40.57	39.50	42.70	42.10	42.10

ORDER INFORMATION

5	F	C	4	D	M	R	N	R	-	X	X	G	0	W	U	H	-	0	2

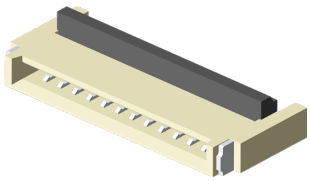
- XX: No. of Contacts
- G0: G0:Gold Flash
- W: W:Natural
- U: RoHS
- H-02: H:T/R W/O Cap

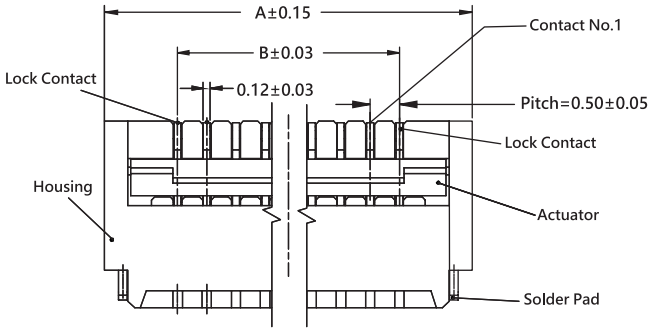
◎:Standard Recommended

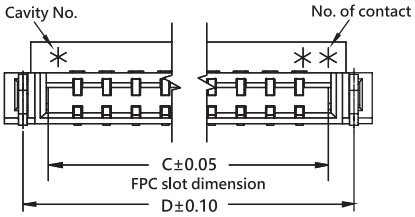
FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Back Flip H=0.9/0.95mm

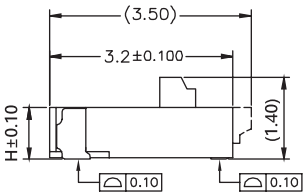
Specifications
Rated Current: 0.5A
Rated Voltage: 50V AC
Operating Temperature: -55°C to +85°C

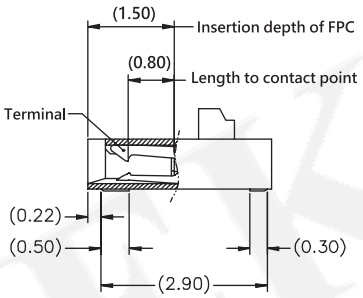
Material
Housing: LCP, UL94V-0
Actuator: LCP, UL94V-0, Black
Terminal: Phosphor Bronze
Lock Contact: Phosphor Bronze
Leg: Phosphor Bronze

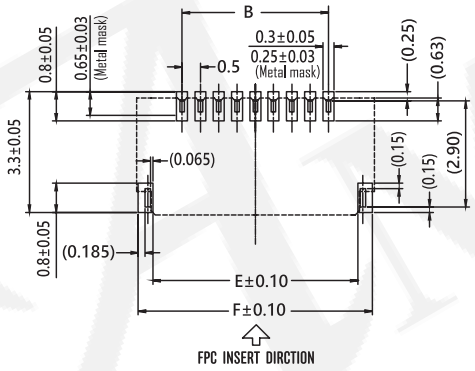




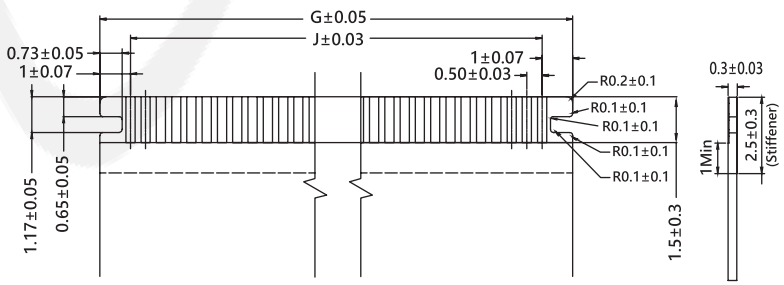








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions						
	A	B	C	D	E	F	H
04	5.0	2.5	3.57	4.38	4.1	4.9	0.9
05	5.5	3.0	4.07	4.88	4.6	5.4	0.9
06	6.0	3.5	4.57	5.38	5.1	5.9	0.9
07	6.5	4.0	5.07	5.88	5.6	6.4	0.9
08	7.0	4.5	5.57	6.38	6.1	6.9	0.9
09	7.5	5.0	6.07	6.88	6.6	7.4	0.9
10	8.0	5.5	6.57	7.38	7.1	7.9	0.9
11	8.5	6.0	7.07	7.88	7.6	8.4	0.9
12	9.0	6.5	7.57	8.38	8.1	8.9	0.9
13	9.5	7.0	8.07	8.88	8.6	9.4	0.9
14	10.0	7.5	8.57	9.38	9.1	9.9	0.9
18	12.0	9.5	10.57	11.38	11.1	11.9	0.9
20	13.0	10.5	11.57	12.38	12.1	12.9	0.9
22	14.0	11.5	12.57	13.38	13.1	13.9	0.9
24	15.0	12.5	13.57	14.38	14.1	14.9	0.95
28	17.0	14.5	15.57	16.38	16.1	16.9	0.95
32	19.0	16.5	17.57	18.38	18.1	18.9	0.95
38	22.0	19.5	20.57	21.38	21.1	21.9	0.95
40	23.0	20.5	21.57	22.38	22.1	22.9	0.95
48	27.0	24.5	25.57	26.38	26.1	26.9	0.95

ORDER INFORMATION

5	F	C	4	C	M	R	C	C	-	X	X	G	0	W	U	H	-	0	1
										No. of Contacts		G0:Gold Flash		W:Natural	RoHS	H:T/R W/O Cap			

◎:Standard Recommended

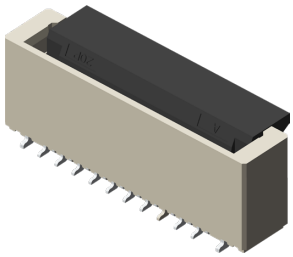
FPC/FFC 0.5mm ZIF with Lock SMT Vertical Type Flip H=5.2mm

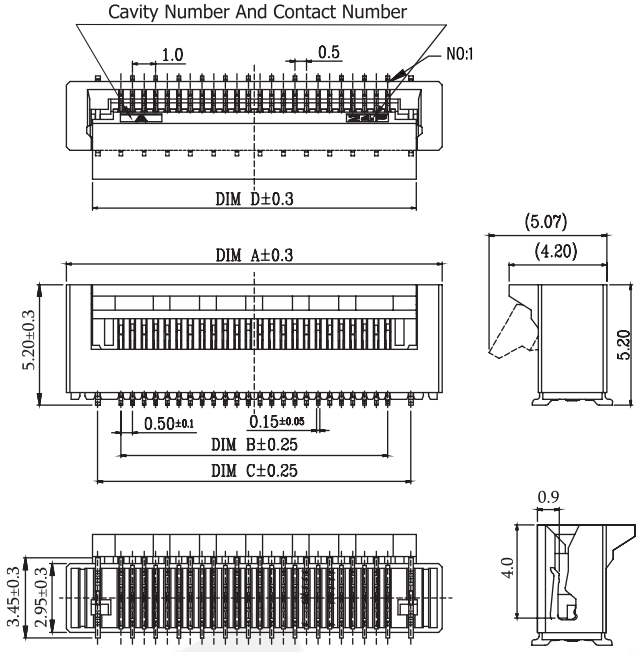
Specifications

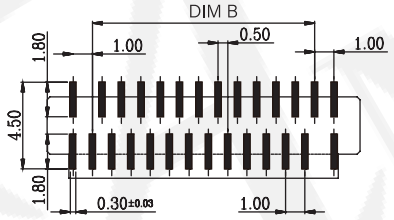
Current Rating: 0.4A
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ
Withstand Voltage: 150V AC for one minute
Operation Temperature: -40°C to +105°C

Material

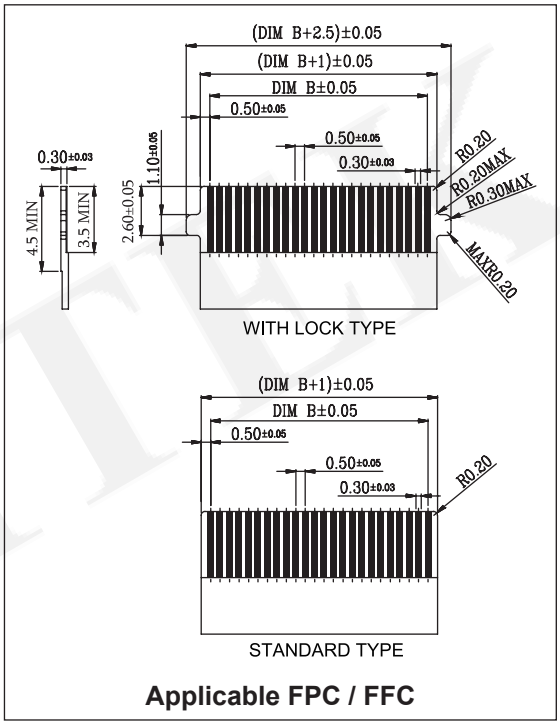
Housing: LCP, UL94V-0, Natural
Latch: LCP, Black, UL 94V-0
Contact Pin: Copper Alloy
Soldering Lug: Copper Alloy







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions			
	A	B	C	D
05	6.70	2.00	4.00	4.45
06	7.20	2.50	4.50	4.95
07	7.70	3.00	5.00	5.45
08	8.20	3.50	5.50	5.95
09	8.70	4.00	6.00	6.45
10	9.20	4.50	6.50	6.95
11	9.70	5.00	7.00	7.45
12	10.20	5.50	7.50	7.95
13	10.70	6.00	8.00	8.45
14	11.20	6.50	8.50	8.95
15	11.70	7.00	9.00	9.45
16	12.20	7.50	9.50	9.95
17	12.70	8.00	10.00	10.45
18	13.20	8.50	10.50	10.95

No. of Contacts	Dimensions			
	A	B	C	D
19	13.70	9.00	11.00	11.45
20	14.20	9.50	11.50	11.95
21	14.70	10.00	12.00	12.45
22	15.20	10.50	12.50	12.95
23	15.70	11.00	13.00	13.45
24	16.20	11.50	13.50	13.95
25	16.70	12.00	14.00	14.45
26	17.20	12.50	14.50	14.95
27	17.70	13.00	15.00	15.45
28	18.20	13.50	15.50	15.95
29	18.70	14.00	16.00	16.45
30	19.20	14.50	16.50	16.95
31	19.70	15.00	17.00	17.45
32	20.20	15.50	17.50	17.95

No. of Contacts	Dimensions			
	A	B	C	D
33	20.70	16.00	18.00	18.45
34	21.20	16.50	18.50	18.95
35	21.70	17.00	19.00	19.45
36	22.20	17.50	19.50	19.95
37	22.70	18.00	20.00	20.45
38	23.20	18.50	20.50	20.95
39	23.70	19.00	21.00	21.45
40	24.20	19.50	21.50	21.95
41	24.70	20.00	22.00	22.45
42	25.20	20.50	22.50	22.95
43	25.70	21.00	23.00	23.45
44	26.20	21.50	23.50	23.95
45	26.70	22.00	24.00	24.45
46	27.20	22.50	24.50	24.95

No. of Contacts	Dimensions			
	A	B	C	D
47	27.70	23.00	25.00	25.45
48	28.20	23.50	25.50	25.95
49	28.70	24.00	26.00	26.45
50	29.20	24.50	26.50	26.95
51	29.70	25.00	27.00	27.45
52	30.20	25.50	27.50	27.95
53	30.70	26.00	28.00	28.45
54	31.20	26.50	28.50	28.95
55	31.70	27.00	29.00	29.45
56	32.20	27.50	29.50	29.95
57	32.70	28.00	30.00	30.45
58	33.20	28.50	30.50	30.95
59	33.70	29.00	31.00	31.45
60	34.20	29.50	31.50	31.95

ORDER INFORMATION

5	F	C	4	D	M	S	A	R	-	X	X	G	0	W	U	H	-	0	1

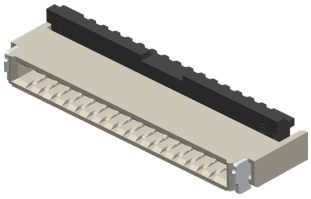
- XX: No. of Contacts
- G0: G0:Gold Flash
- W: W:Natural
- U: RoHS
- H-01: H:T/R W/O Cap

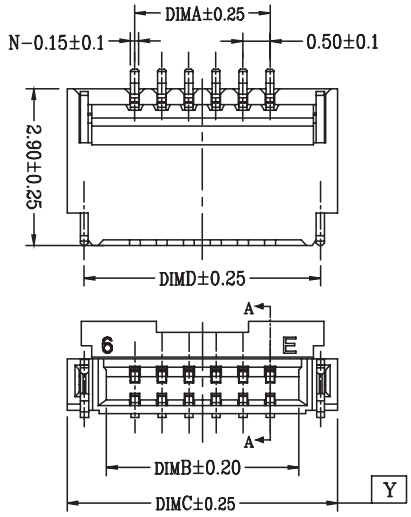
◎:Standard Recommended

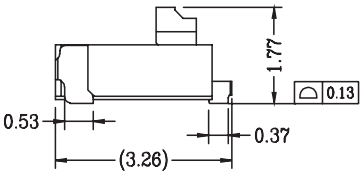
FPC/FFC 0.5mm ZIF SMT R/A Type Back Flip H=1.0mm

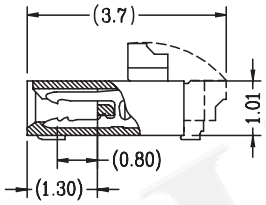
Specifications
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25˚C to +85˚C

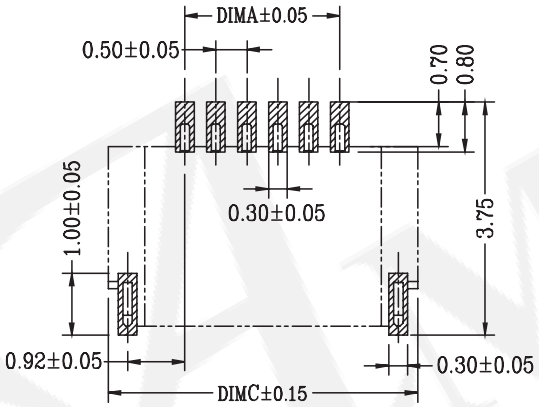
Material
Housing: LCP, Natural, UL 94V-0
Latch: LCP, Black, UL 94V-0
Contact Pin: Copper Alloy



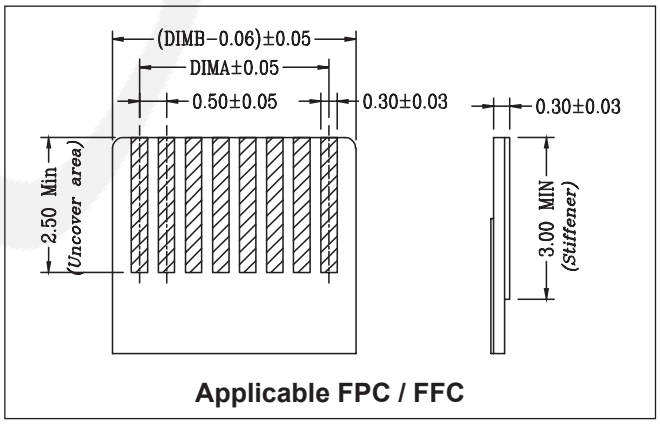








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions			
	A	B	C	D
04	1.50	2.56	4.00	3.37
05	2.00	3.06	4.50	3.87
06	2.50	3.56	5.00	4.37
08	3.50	4.56	6.00	5.37
10	4.50	5.56	7.00	6.37
12	5.50	6.56	8.00	7.37
14	6.50	7.56	9.00	8.37
16	7.50	8.56	10.00	9.37
18	8.50	9.56	11.00	10.37
20	9.50	10.56	12.00	11.37
22	10.50	11.56	13.00	12.37
24	11.50	12.56	14.00	13.37
26	12.50	13.56	15.00	14.37
28	13.50	14.56	16.00	15.37
30	14.50	15.56	17.00	16.37
32	15.50	16.56	18.00	17.37
34	16.50	17.56	19.00	18.37
40	19.50	20.56	22.00	21.37

ORDER INFORMATION

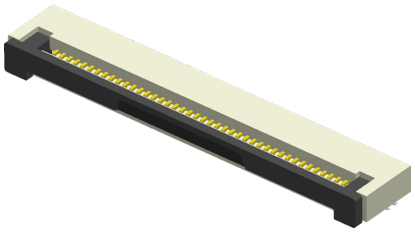
5	F	C	4	A	M	R	C	R	-	X	X	G	0	W	U	H	-	0	1
										No. of Contacts		G0:Gold Flash		W:Natural	RoHS	H:T/R W/O Cap			

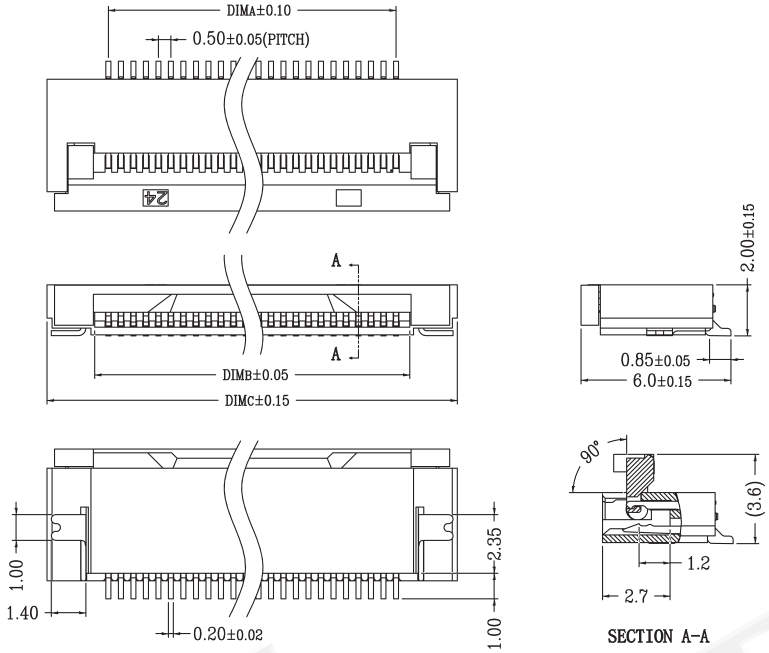
◎:Standard Recommended

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

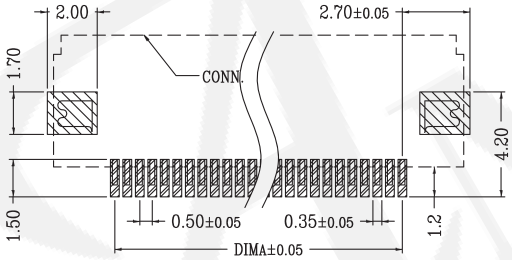
Specifications
Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature: -40˚C to +105˚C

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

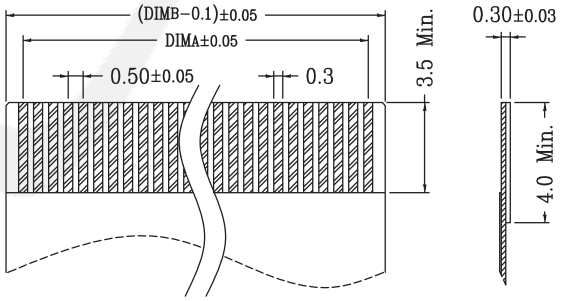




SECTION A-A



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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	X	X	W	U	X	-	0	1

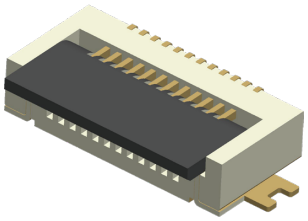
- XX: No. of Contacts — See Table
- XX: G0:Gold Flash, TM:Matte Tin
- W: W:Natural
- U: U:RoHS + LCP
- X: H:T/R W/O Cap

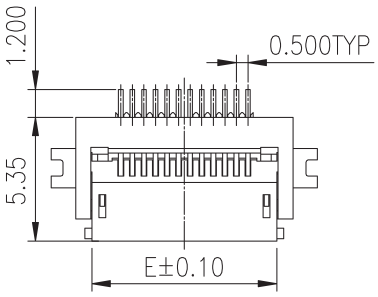
◎:Standard Recommended

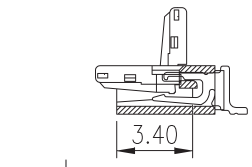
FPC/FFC 0.5mm ZIF SMT R/A Type Front Flip H=2.17mm

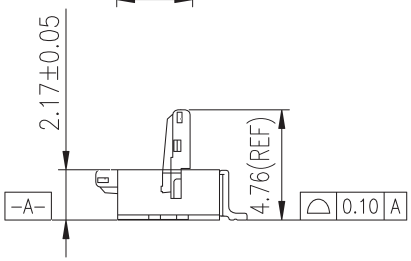
Specifications
Current Rating: 0.4 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 20mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -20°C to +85°C

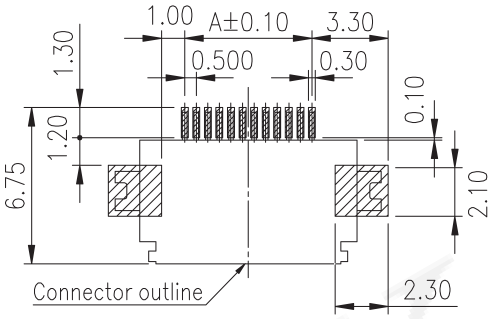
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



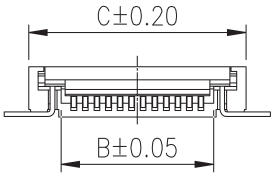


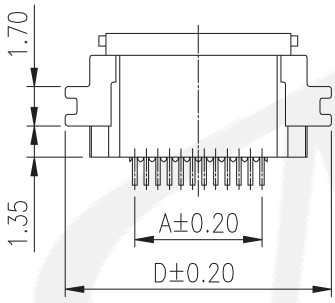


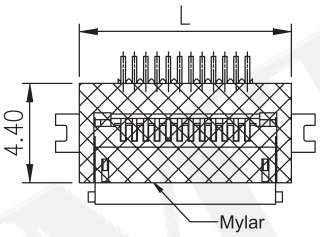




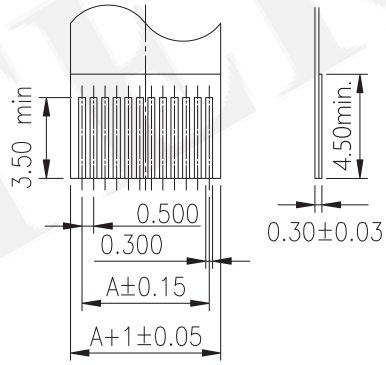
Recommended PCB Layout
(PCB TOLERANCE ±0.05)







2-11P,Mylar L=Cover
12-56P,Mylar L=9.40mm



Applicable FPC / FFC

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

No. of Contacts	Dimensions				
	A	B	C	D	E
22	10.50	11.60	14.40	16.50	13.00
23	11.00	12.10	14.90	17.00	13.50
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

No. of Contacts	Dimensions				
	A	B	C	D	E
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
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

ORDER INFORMATION

5 F C 4 A M R N D - X X X X W U X - 0 1

- X X: No. of Contacts, See Table
- X X: G0:Gold Flash, T0:Tin Plated
- W: W:White
- U: U:RoHS + Hi-Temp
- X: H:T/R W/O Cap, M:T/R With Mylar

◎:Standard Recommended

Old P/N:FPC4AMR6C

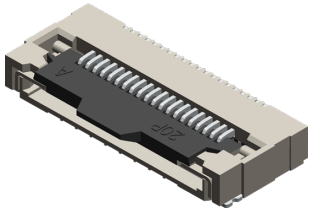
FPC/FFC 0.5mm ZIF with Lock SMT R/A Type Front Flip H=2.1mm

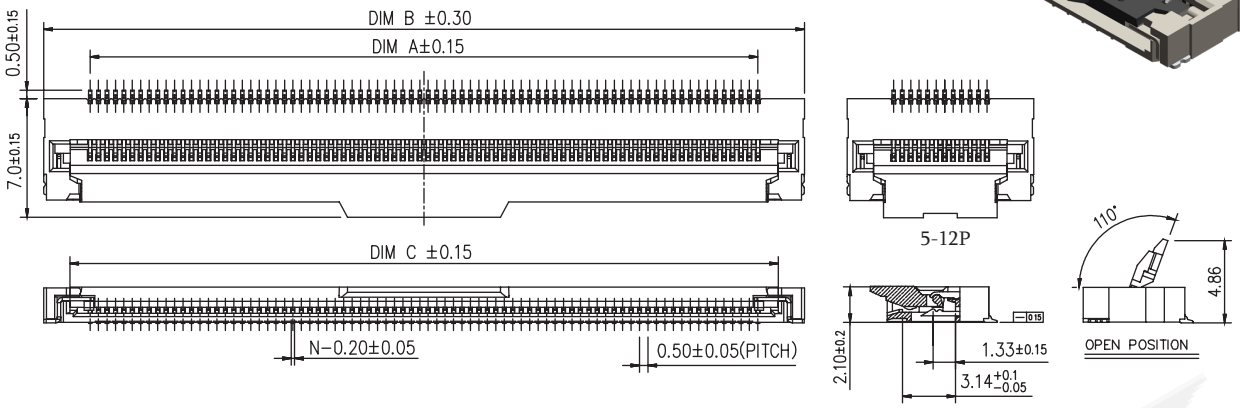
Specifications

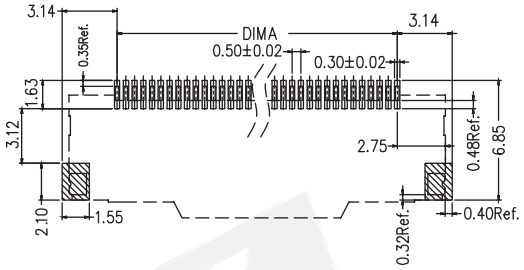
Current Rating: 0.5A
Voltage Rating: 50V AC
Insulation Resistance: ≥100MΩ
Contact Resistance: ≤30mΩ
Operation Temperature: -25°C to +85°C

Material

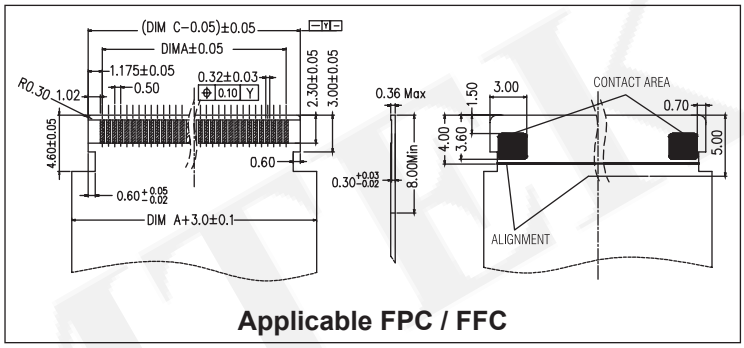
Housing: LCP, UL94V-0, Natural
Actuator: LCP, UL94V-0, Black
Contact Pin: Phosphor Bronze
Solder Tab: Phosphor Bronze







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions		
	A	B	C
05	2.00	7.50	4.40
06	2.50	8.00	4.90
07	3.00	8.50	5.40
08	3.50	9.00	5.90
09	4.00	9.50	6.40
10	4.50	10.00	6.90
11	5.00	10.50	7.40
12	5.50	11.00	7.90
13	6.00	11.50	8.40
14	6.50	12.00	8.90
15	7.00	12.50	9.40
16	7.50	13.00	9.90
17	8.00	13.50	10.40
18	8.50	14.00	10.90
19	9.00	14.50	11.40
20	9.50	15.00	11.90
21	10.00	15.50	12.40
22	10.50	16.00	12.90
23	11.00	16.50	13.40
24	11.50	17.00	13.90
25	12.00	17.50	14.40
26	12.50	18.00	14.90
27	13.00	18.50	15.40
28	13.50	19.00	15.90
29	14.00	19.50	16.40

No. of Contacts	Dimensions		
	A	B	C
30	14.50	20.00	16.90
31	15.00	20.50	17.40
32	15.50	21.00	17.90
33	16.00	21.50	18.40
34	16.50	22.00	18.90
35	17.00	22.50	19.40
36	17.50	23.00	19.90
37	18.00	23.50	20.40
38	18.50	24.00	20.90
39	19.00	24.50	21.40
40	19.50	25.00	21.90
41	20.00	25.50	22.40
42	20.50	26.00	22.90
39	19.00	24.50	21.40
40	19.50	25.00	21.90
41	20.00	25.50	22.40
42	20.50	26.00	22.90
43	21.00	26.50	23.40
44	21.50	27.00	23.90
45	22.00	27.50	24.40
46	22.50	28.00	24.90
47	23.00	28.50	25.40
48	23.50	29.00	25.90
49	24.00	29.50	26.40
50	24.50	30.00	26.90

No. of Contacts	Dimensions		
	A	B	C
51	25.00	30.50	27.40
52	25.50	31.00	27.90
53	26.00	31.50	28.40
54	26.50	32.00	28.90
55	27.00	32.50	29.40
56	27.50	33.00	29.90
57	28.00	33.50	30.40
58	28.50	34.00	30.90
59	29.00	34.50	31.40
60	29.50	35.00	31.90
61	30.00	35.50	32.40
62	30.50	36.00	32.90
63	31.00	36.50	33.40
64	31.50	37.00	33.90
65	32.00	37.50	34.40
66	32.50	38.00	34.90
67	33.00	38.50	35.40
68	33.50	39.00	35.90
69	34.00	39.50	36.40
66	32.50	38.00	34.90
67	33.00	38.50	35.40
68	33.50	39.00	35.90
69	34.00	39.50	36.40
70	34.50	40.00	36.90
71	35.00	40.50	37.40

No. of Contacts	Dimensions		
	A	B	C
72	35.50	41.00	37.90
73	36.00	41.50	38.40
74	36.50	42.00	38.90
75	37.00	42.50	39.40
76	37.50	43.00	39.90
77	38.00	43.50	40.40
78	38.50	44.00	40.90
79	39.00	44.50	41.40
80	39.50	45.00	41.90
81	40.00	45.50	42.40
82	40.50	46.00	42.90
83	41.00	46.50	43.40
84	41.50	47.00	43.90
85	42.00	47.50	44.40
86	42.50	48.00	44.90
87	43.00	48.50	45.40
88	43.50	49.00	45.90
89	44.00	49.50	46.40
90	44.50	50.00	46.90
91	45.00	50.50	47.40
92	45.50	51.00	47.90
93	46.00	51.50	48.40
94	46.50	52.00	48.90
95	47.00	52.50	49.40
96	47.50	53.00	49.90

ORDER INFORMATION

5	F	C	4	C	M	R	N	R	-	X	X	G	0	W	U	X	-	0	1

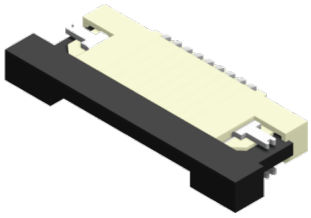
- XX: No. of Contacts
- G0: G0:Gold Flash
- W: W:Natural
- U: RoHS
- X: H:T/R W/O Cap / T:TUBE W/O Cap
- 01

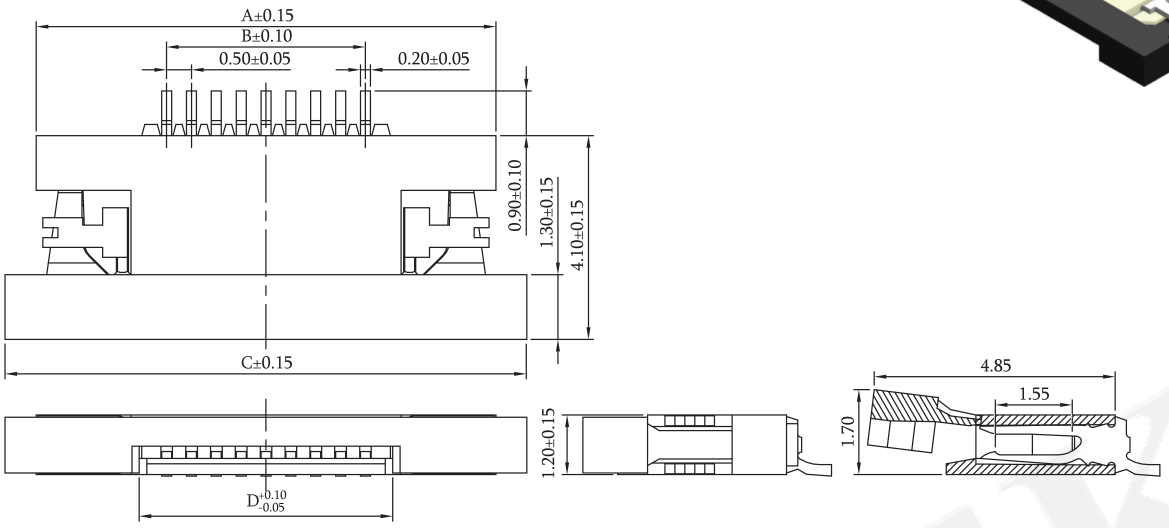
◎:Standard Recommended

FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom&Top Contact H=1.2mm

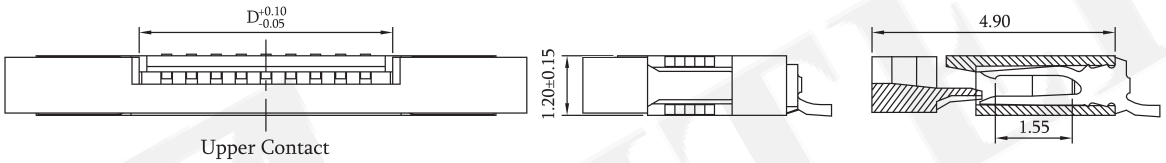
Specifications
Current Rating: 0.4 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55˚C to +85˚C

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

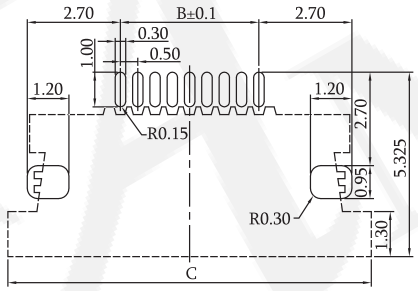




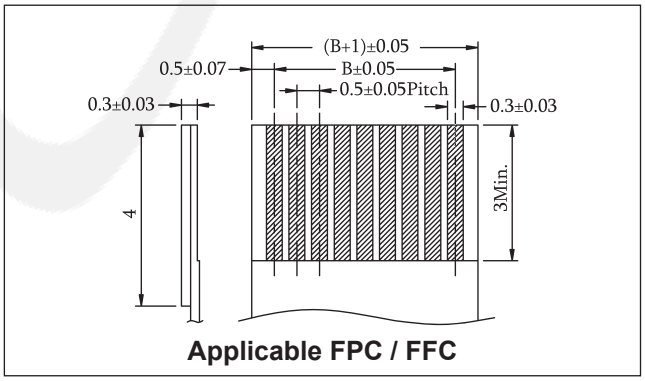
Bottom Contact



Upper Contact



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions			
	A	B	C	D
04	6.75	1.50	8.00	2.60
05	7.25	2.00	8.50	3.10
06	7.75	2.50	9.00	3.60
08	8.75	3.50	10.00	4.60
10	9.75	4.50	11.00	5.60
12	10.75	5.50	12.00	6.60
14	11.75	6.50	13.00	7.60
15	12.25	7.00	13.50	8.10
16	12.75	7.50	14.00	8.60
18	13.75	8.50	15.00	9.60
20	14.75	9.50	16.00	10.60
22	15.75	10.50	17.00	11.60
24	16.75	11.50	18.00	12.60
26	17.75	12.50	19.00	13.60
28	18.75	13.50	20.00	14.60
30	19.75	14.50	21.00	15.60
32	20.75	15.50	22.00	16.60
33	21.25	16.00	22.50	17.10
34	21.75	16.50	23.00	17.60
35	22.25	17.00	23.50	18.10
36	22.75	17.50	24.00	18.60
39	24.25	19.00	25.50	20.10
40	24.75	19.50	26.00	20.60
44	26.75	21.50	28.00	22.60
45	27.25	22.00	28.50	23.10
50	29.75	24.50	31.00	25.60

ORDER INFORMATION

5	F	S	4	A	M	R	X	C	-	X	X	X	X	W	U	X	-	0	1
							B:Bottom Contact U:Upper Contact			No. of Contacts See Table		G0:Gold Flash T0:Tin Plated		W:White	U:RoHS + Hi-Temp	H:T/R W/O Cap			

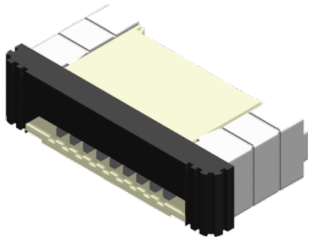
◎:Standard Recommended

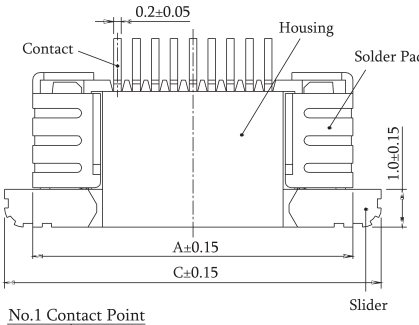
Old P/N:FPC4AMRT1

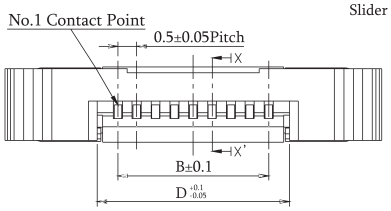
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

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

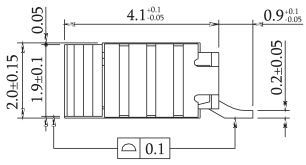
Material
Insulator: LCP, UL 94V-0
Contact Pin: Phosphor Bronze

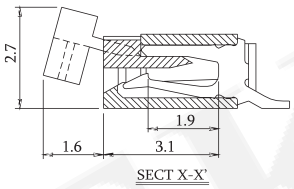


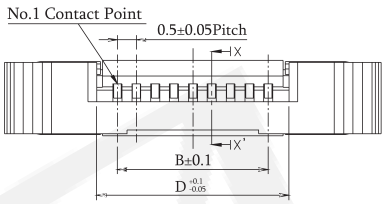




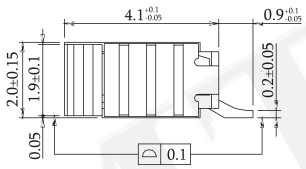
Bottom Contact

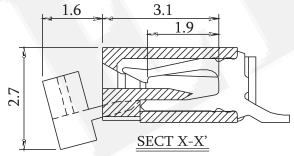






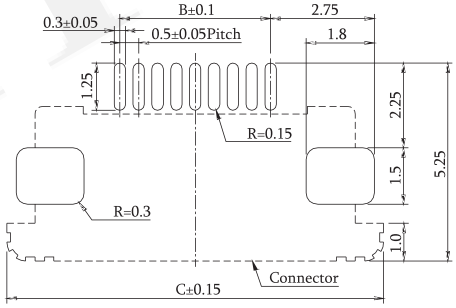
Upper Contact



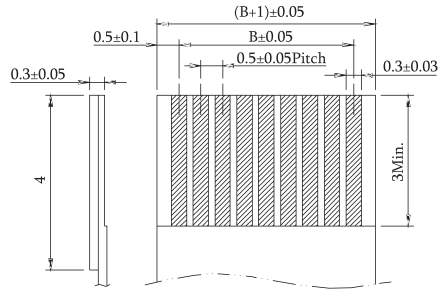


No. of Contacts	Dimensions			
	A	B	C	D
04	6.0	1.5	7.5	2.6
05	6.5	2.0	8.0	3.1
06	7.0	2.5	8.5	3.6
07	7.5	3.0	9.0	4.1
08	8.0	3.5	9.5	4.6
09	8.5	4.0	10.0	5.1
10	9.0	4.5	10.5	5.6
11	9.5	5.0	11.0	6.1
12	10.0	5.5	11.5	6.6
13	10.5	6.0	12.0	7.1
14	11.0	6.5	12.5	7.6
15	11.5	7.0	13.0	8.1
16	12.0	7.5	13.5	8.6
17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



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

ORDER INFORMATION

5	F	P	4	A	M	R	X	C	-	X	X	X	X	W	U	H	-	0	1
							B:Bottom Contact U:Upper Contact			No. of Contacts See Table		G0:Gold Flash T0:Tin Plated		W:Natural	U:RoHS + LCP	H:T/R W/O Cap			

◎:Standard Recommended

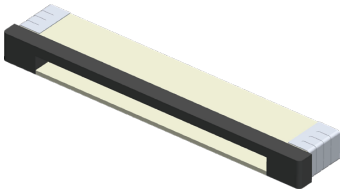
Old P/N:FPC4AMR1

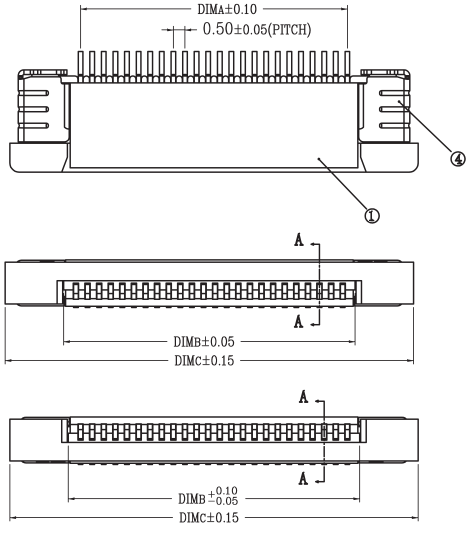
RoHS

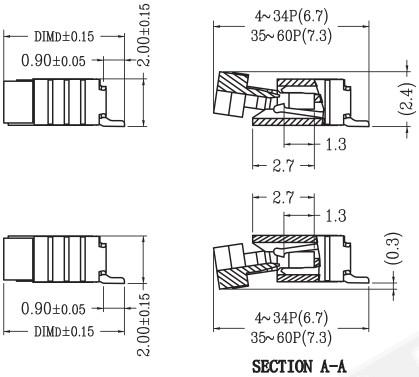
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

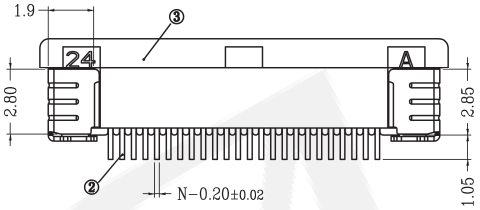
Specifications
Current Rating: 0.4 AMP
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25˚C to +85˚C

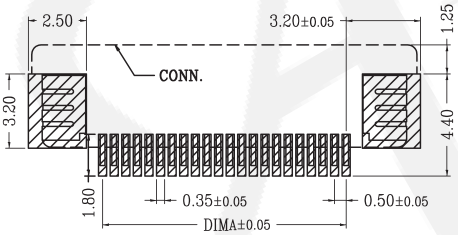
Material
Housing: LCP, Natural, UL 94V-0
Latch: LCP, Black, UL 94V-0
Contact Pin: Copper Alloy



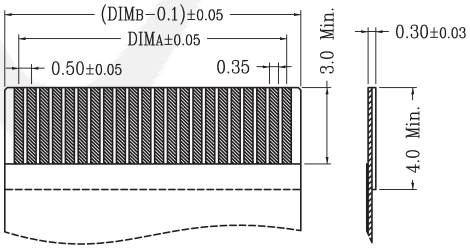








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions			
	A	B	C	D
04	1.50	2.56	7.60	
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	5.20
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

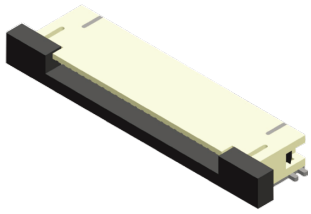
5	F	P	4	A	M	R	X	R	-	X	X	X	X	W	U	H	-	0	1
							B:Bottom Contact U:Upper Contact			No. of Contacts See Table		G0:Gold Flash TM:Matte Tin		W:Natural	U:RoHS + LCP	H:T/R W/O Cap			

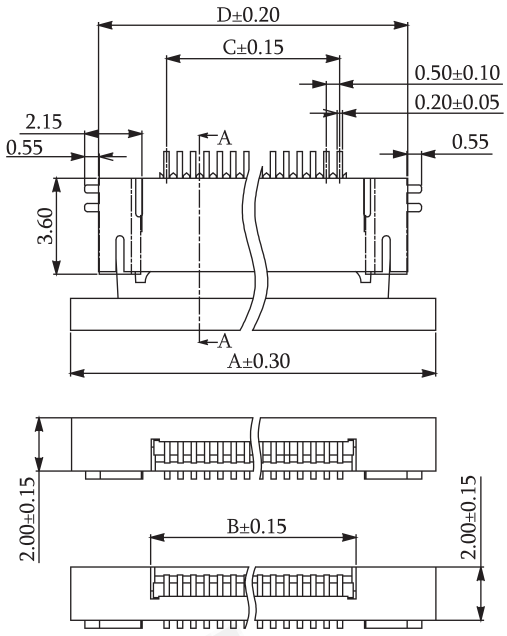
◎:Standard Recommended

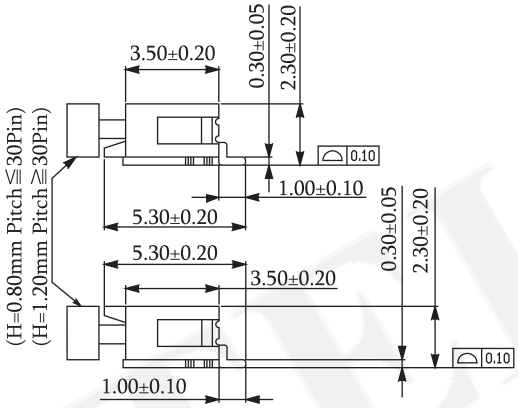
FPC/FFC 0.5mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm

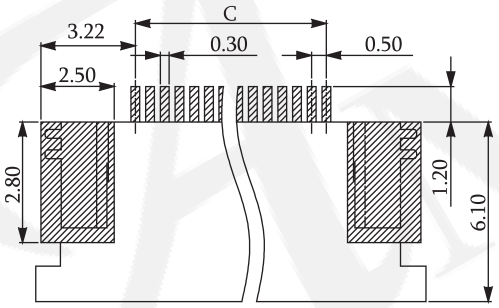
Specifications
Current Rating: 0.5 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -20˚C to +105˚C

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

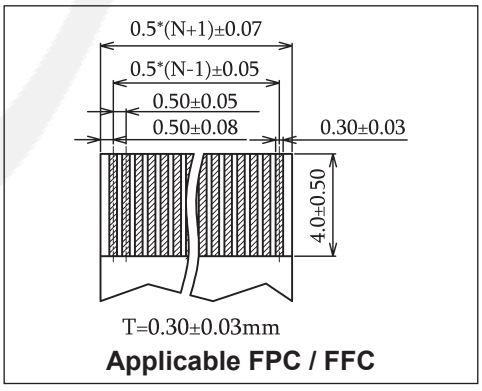








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



No. of Contacts	Dimensions			
	A	B	C	D
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	X	X	W	U	X	-	0	1

- X: B:Bottom Contact / U:Upper Contact
- XX: No. of Contacts See Table
- XX: G0:Gold Flash / T0:Tin Plated
- W: W:Natural
- U: U:RoHS + Hi-Temp
- X: T:Tube W/O Cap / H:T/R W/O Cap

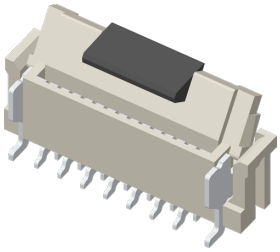
◎:Standard Recommended

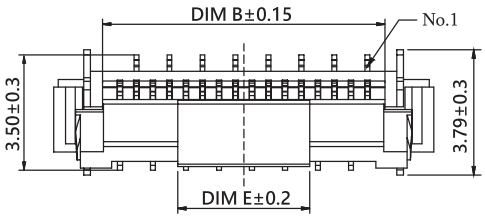
Old P/N:FPC4AMR6

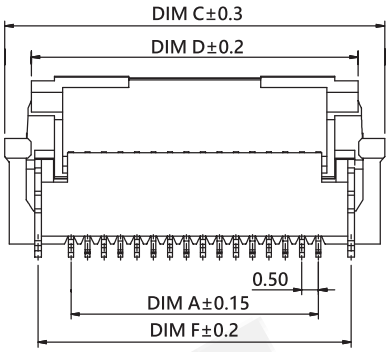
FPC/FFC 0.5mm ZIF SMT Vertical Type Flip H=3.6mm

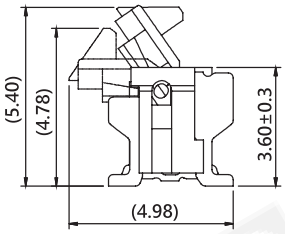
Specifications
Current Rating: 0.5 AMP
Dielectric Voltage: 500V AC for one minute
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max..
Operation Temperature: -40°C to +105°C

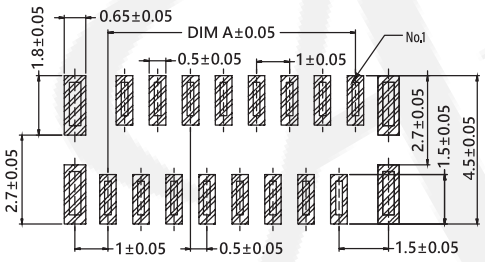
Material
Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy



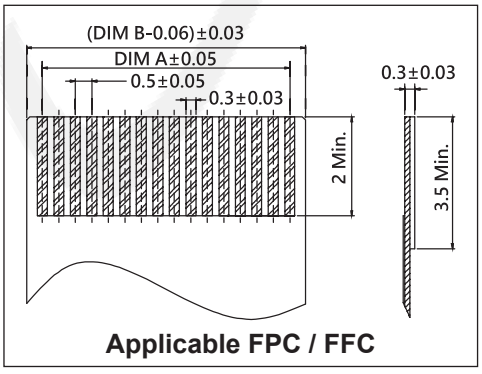








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions					
	A	B	C	D	E	F
5	2.00	3.06	6.00	4.40	2.50	4.00
6	2.00	3.56	6.50	4.90	3.00	4.50
7	3.00	4.06	7.00	5.40	3.00	5.00
8	3.50	4.56	7.50	5.90	4.00	5.50
9	4.00	5.06	8.00	6.40	4.00	6.00
10	4.50	5.56	8.50	6.90	4.00	6.50
11	5.00	6.06	9.00	7.40	4.00	7.00
12	5.50	6.56	9.50	7.90	4.00	7.50
13	6.00	7.06	10.00	8.40	4.00	8.00
14	6.50	7.56	10.50	8.90	4.00	8.50
15	7.00	8.06	11.00	9.40	4.00	9.00
16	7.50	8.56	11.50	9.90	4.00	9.50
17	8.00	9.06	12.00	10.40	4.00	10.00
18	8.50	9.56	12.50	10.90	4.00	10.50
19	9.00	10.06	13.00	11.40	4.00	11.00
20	9.50	10.56	13.50	11.90	4.00	11.50
21	10.00	11.06	14.00	12.40	4.00	12.00
22	10.50	11.56	14.50	12.90	4.00	12.50
23	11.00	12.06	15.00	13.40	8.00	13.00
24	11.50	12.56	15.50	13.90	8.00	13.50
25	12.00	13.06	16.00	14.40	8.00	14.00
26	12.50	13.56	16.50	14.90	8.00	14.50
27	13.00	14.06	17.00	15.40	8.00	15.00
28	13.50	14.56	17.50	15.90	8.00	15.50
29	14.00	15.06	18.00	16.40	8.00	16.00
30	14.50	15.56	18.50	16.90	8.00	16.50
31	15.00	16.06	19.00	17.40	8.00	17.00
32	15.50	16.56	19.50	17.90	8.00	17.50

No. of Contacts	Dimensions					
	A	B	C	D	E	F
33	16.00	17.06	20.00	18.40	8.00	18.00
34	16.50	17.56	20.50	18.90	8.00	18.50
35	17.00	18.06	21.00	19.40	8.00	19.00
36	17.50	18.56	21.50	19.90	8.00	19.50
37	18.00	19.06	22.00	20.40	8.00	20.00
38	18.50	19.56	22.50	20.90	8.00	20.50
39	19.00	20.06	23.00	21.40	8.00	21.00
40	19.50	20.56	23.50	21.90	8.00	21.50
41	20.00	21.06	24.00	22.40	8.00	22.00
42	20.50	21.56	24.50	22.90	8.00	22.50
43	21.00	22.06	25.00	23.40	8.00	23.00
44	21.50	22.56	25.50	23.90	8.00	23.50
45	22.00	23.06	26.00	24.40	8.00	24.00
46	22.50	23.56	26.50	24.90	8.00	24.50
47	23.00	24.06	27.00	25.40	8.00	25.00
48	23.50	24.56	27.50	25.90	8.00	25.50
49	24.00	25.06	28.00	26.40	8.00	26.00
50	24.50	25.56	28.50	26.90	8.00	26.50
51	25.00	26.06	29.00	27.40	8.00	27.00
52	25.50	26.56	29.50	27.90	8.00	27.50
53	26.00	27.06	30.00	28.40	8.00	28.00
54	26.50	27.56	30.50	28.90	8.00	28.50
55	27.00	28.06	31.00	29.40	8.00	29.00
56	27.50	28.56	31.50	29.90	8.00	29.50
57	28.00	29.06	32.00	30.40	8.00	30.00
58	28.50	29.56	32.50	30.90	8.00	30.50
59	29.00	30.06	33.00	31.40	8.00	31.00
60	29.50	30.56	33.50	31.90	8.00	31.50

ORDER INFORMATION

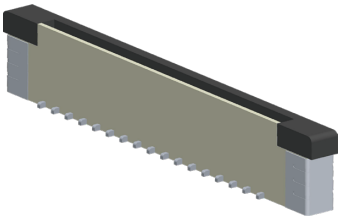
5	F	C	4	A	M	S	A	R	-	X	X	X	X	X	U	X	-	0	2
										No. of Contacts See Table		T0:Tin Plated		B:Black		H:T/R W/O Cap			
															U:RoHS + LCP				

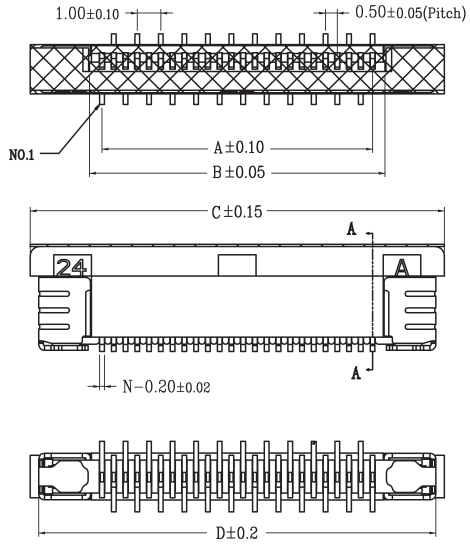
◎:Standard Recommended

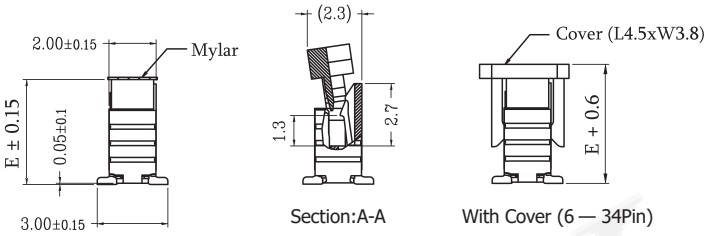
FPC/FFC 0.5mm ZIF SMT Vertical Type Slider H=4.45/5.0mm

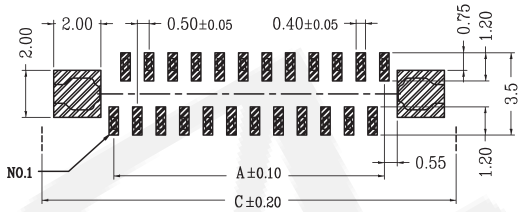
Specifications
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25°C to +85°C

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

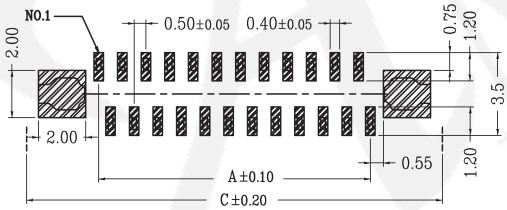






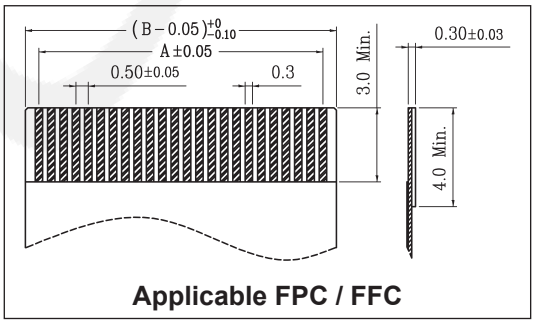


A TYPE



B TYPE

Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions				
	A	B	C	D	E
04	1.50	2.56	7.60	6.88	
05	2.00	3.06	8.10	7.38	
06	2.50	3.56	8.60	7.88	
07	3.00	4.06	9.10	8.38	
08	3.50	4.56	9.60	8.88	
09	4.00	5.06	10.10	9.38	
10	4.50	5.56	10.60	9.88	
11	5.00	6.06	11.10	10.38	
12	5.50	6.56	11.60	10.88	
13	6.00	7.06	12.10	11.38	
14	6.50	7.56	12.60	11.88	
15	7.00	8.06	13.10	12.38	
16	7.50	8.56	13.60	12.88	
17	8.00	9.06	14.10	13.38	
18	8.50	9.56	14.60	13.88	
19	9.00	10.06	15.10	14.38	4.45
20	9.50	10.56	15.60	14.88	
21	10.00	11.06	16.10	15.38	
22	10.50	11.56	16.60	15.88	
23	11.00	12.06	17.10	16.38	
24	11.50	12.56	17.60	16.88	
25	12.00	13.06	18.10	17.38	
26	12.50	13.56	18.60	17.88	
27	13.00	14.06	19.10	18.38	
28	13.50	14.56	19.60	18.88	
29	14.00	15.06	20.10	19.38	
30	14.50	15.56	20.60	19.88	
31	15.00	16.06	21.10	20.38	
32	15.50	16.56	21.60	20.88	
33	16.00	17.06	22.10	21.38	
34	16.50	17.56	22.60	21.88	

No. of Contacts	Dimensions				
	A	B	C	D	E
35	17.00	18.06	23.10	22.38	
36	17.50	18.56	23.60	22.88	
37	18.00	19.06	24.10	23.38	
38	18.50	19.56	24.60	23.88	
39	19.00	20.06	25.10	24.38	
40	19.50	20.56	25.60	24.88	
41	20.00	21.06	26.10	25.38	
42	20.50	21.56	26.60	25.88	
43	21.00	22.06	27.10	26.38	
44	21.50	22.56	27.60	26.88	
45	22.00	23.06	28.10	27.38	
46	22.50	23.56	28.60	27.88	
47	23.00	24.06	29.10	28.38	
48	23.50	24.56	29.60	28.88	5.00
49	24.00	25.06	30.10	29.38	
50	24.50	25.56	30.60	29.88	
51	25.00	26.06	31.10	30.38	
52	25.50	26.56	31.60	30.88	
53	26.00	27.06	32.10	31.38	
54	26.50	27.56	32.60	31.88	
55	27.00	28.06	33.10	32.38	
56	27.50	28.56	33.60	32.88	
57	28.00	29.06	34.10	33.38	
58	28.50	29.56	34.60	33.88	
59	29.00	30.06	35.10	34.38	
60	29.50	30.56	35.60	34.88	

ORDER INFORMATION

5	F	P	4	A	M	S	X	R	-	X	X	X	X	W	U	X	-	0	1

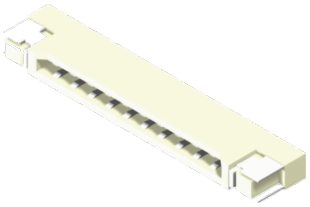
- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- XX: G0:Gold Flash; TM:Matte Tin
- W: W:Natural
- U: U:RoHS + LCP
- X: R:T/R With Cap; M:T/R With Mylar

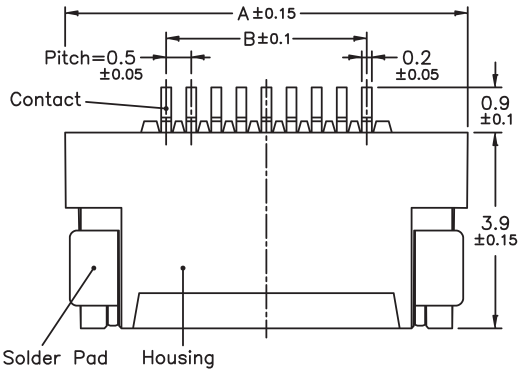
◎:Standard Recommended

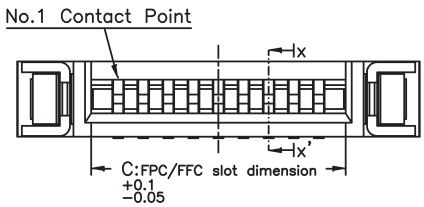
FPC/FFC 0.5mm Non-ZIF SMT R/A Type H=1.5mm

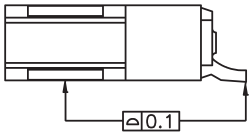
Specifications
Current Rating: 0.4 AMP
Insulation Resistance: 50MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -55˚C to +85˚C

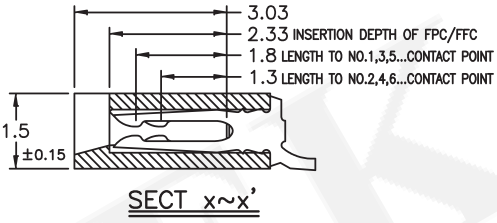
Material
Insulator: LCP, UL 94V-0
Contact Pin: Phosphor Bronze

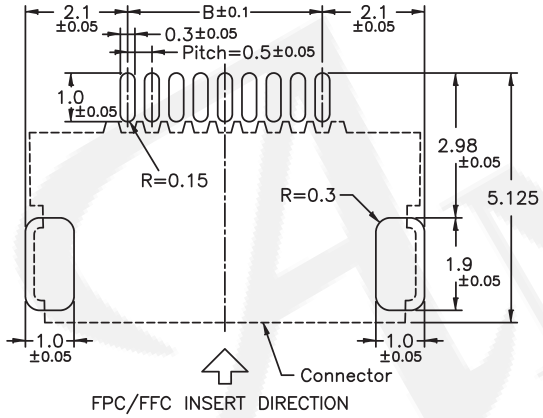




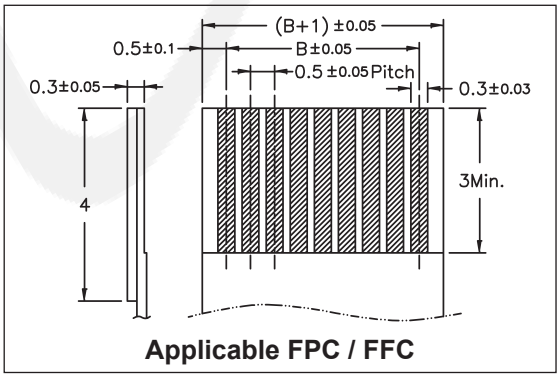








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions A	B	C
4	5.53	1.50	2.57
5	6.03	2.00	3.07
6	6.53	2.50	3.57
7	7.03	3.00	4.07
8	7.53	3.50	4.57
9	8.03	4.00	5.07
10	8.53	4.50	5.57
11	9.03	5.00	6.07
12	9.53	5.50	6.57
13	10.03	6.00	7.07
14	10.53	6.50	7.57
15	11.03	7.00	8.07
16	11.53	7.50	8.57
17	12.03	8.00	9.07
18	12.53	8.50	9.57
19	13.03	9.00	10.07
20	13.53	9.50	10.57
21	14.03	10.00	11.07
22	14.53	10.50	11.57
23	15.03	11.00	12.07
24	15.53	11.50	12.57
25	16.03	12.00	13.07
26	16.53	12.50	13.57
27	17.03	13.00	14.07
28	17.53	13.50	14.57
29	18.03	14.00	15.07
30	18.53	14.50	15.57
31	19.03	15.00	16.07
32	19.53	15.50	16.57

No. of Contacts	Dimensions A	B	C
33	20.03	16.00	17.07
34	20.53	16.50	17.57
35	21.03	17.00	18.07
36	21.53	17.50	18.57
37	22.03	18.00	19.07
38	22.53	18.50	19.57
39	23.03	19.00	20.07
40	23.53	19.50	20.57
41	24.03	20.00	21.07
42	24.53	20.50	21.57
43	25.03	21.00	22.07
44	25.53	21.50	22.57
45	26.03	22.00	23.07
46	26.53	22.50	23.57
47	27.03	23.00	24.07
48	27.53	23.50	24.57
49	28.03	24.00	25.07
50	28.53	24.50	25.57
51	29.03	25.00	26.07
52	29.53	25.50	26.57
53	30.03	26.00	27.07
54	30.53	26.50	27.57
55	31.03	27.00	28.07
56	31.53	27.50	28.57
57	32.03	28.00	29.07
58	32.53	28.50	29.57
59	33.03	29.00	30.07
60	33.53	29.50	30.57

ORDER INFORMATION

5	F	P	4	B	M	R	N	C	-	X	X	T	0	W	U	H	-	0	1

- XX: No. of Contacts — See Table
- T0: T0:Tin Plated; G0:Gold Flash
- W: W:White
- U: U:RoHS + LCP
- H01: H:T/R W/O Cap

◎:Standard Recommended

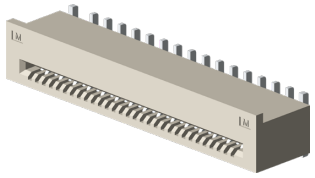
Old P/N:FPC4BMR1B

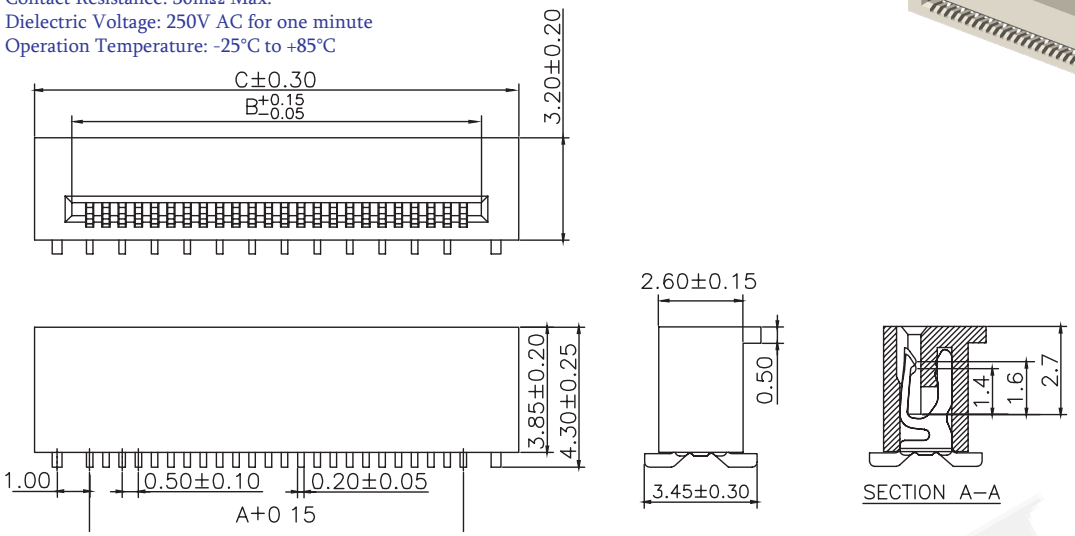
AMTEK

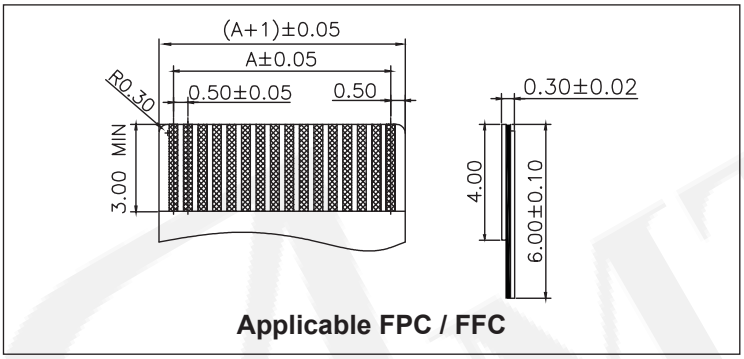
FPC/FFC 0.5mm Non-ZIF SMT Vertical Type H=3.9mm

Specifications
Voltage Rating: 50V AC/DC
Insulator Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25°C to +85°C

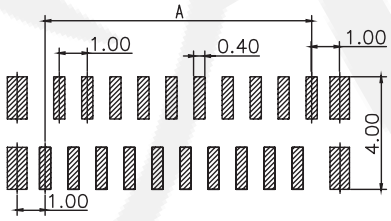
Material
Insulator: G.F+Thennoplastic, UL 94V-0
Contact Pin: Copper Alloy



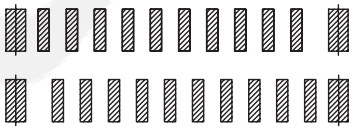




Applicable FPC / FFC



A Type



B Type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions A	B	C
04	1.50	2.60	4.90
05	2.00	3.10	5.40
06	2.50	3.60	5.90
07	3.00	4.10	6.40
08	3.50	4.60	6.90
09	4.00	5.10	7.40
10	4.50	5.60	7.90
11	5.00	6.10	8.40
12	5.50	6.60	8.90
13	6.00	7.10	9.40
14	6.50	7.60	9.90
15	7.00	8.10	10.40
16	7.50	8.60	10.90
17	8.00	9.10	11.40
18	8.50	9.60	11.90
19	9.00	10.10	12.40
20	9.50	10.60	12.90
21	10.00	11.10	13.40
22	10.50	11.60	13.90

No. of Contacts	Dimensions A	B	C
23	11.00	12.10	14.40
24	11.50	12.60	14.90
25	12.00	13.10	15.40
26	12.50	13.60	15.90
27	13.00	14.10	16.40
28	13.50	14.60	16.90
29	14.00	15.10	17.40
30	14.50	15.60	17.90
31	15.00	16.10	18.40
32	15.50	16.60	18.90
33	16.00	17.10	19.40
34	16.50	17.60	19.90
35	17.00	18.10	20.40
36	17.50	18.60	20.90
37	18.00	19.10	21.40
38	18.50	19.60	21.90
39	19.00	20.10	22.40
40	19.50	20.60	22.90
41	20.00	21.10	23.40

No. of Contacts	Dimensions A	B	C
42	20.50	21.60	23.90
43	21.00	22.10	24.40
44	21.50	22.60	24.90
45	22.00	23.10	25.40
46	22.50	23.60	25.90
47	23.00	24.10	26.40
48	23.50	24.60	26.90
49	24.00	25.10	27.40
50	24.50	25.60	27.90
51	25.00	26.10	28.40
52	25.50	26.60	28.90
53	26.00	27.10	29.40
54	26.50	27.60	29.90
55	27.00	28.10	30.40
56	27.50	28.60	30.90
57	28.00	29.10	31.40
58	28.50	29.60	31.90
59	29.00	30.10	32.40
60	29.50	30.60	32.90

ORDER INFORMATION

5	F	P	4	B	M	S	X	D	-	X	X	T	0	W	U	H	-	0	1

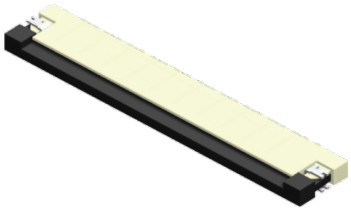
- X: A:A Type, B:B Type
- XX: No. of Contacts, See Table
- T0: T0:Tin Plated
- W: W:Natural
- U: U:RoHS
- H-01: H:T/R W/O Cap

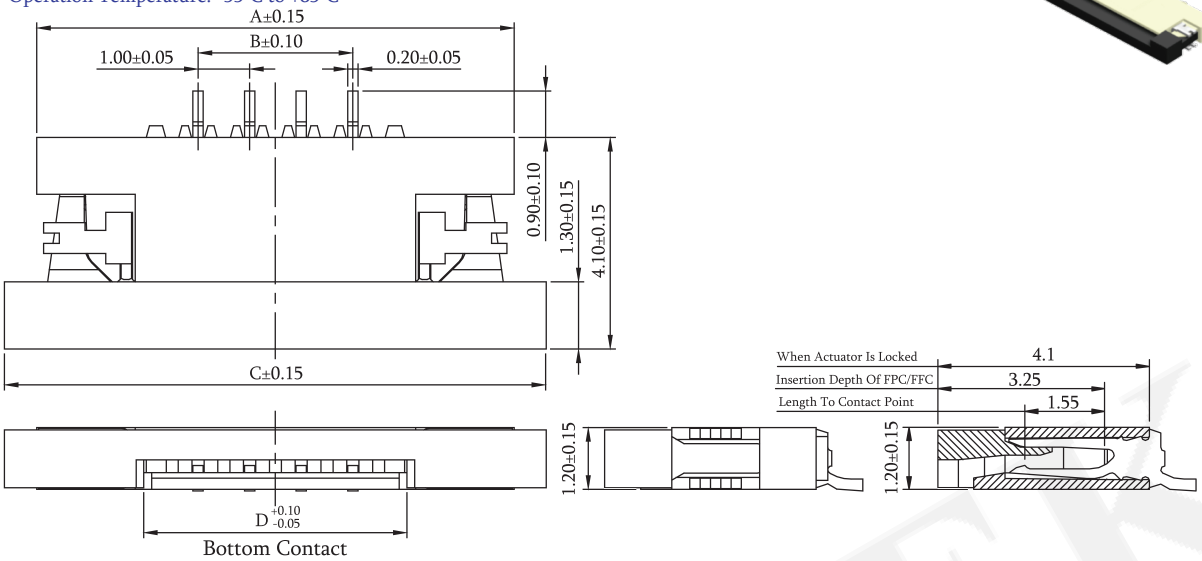
◎:Standard Recommended

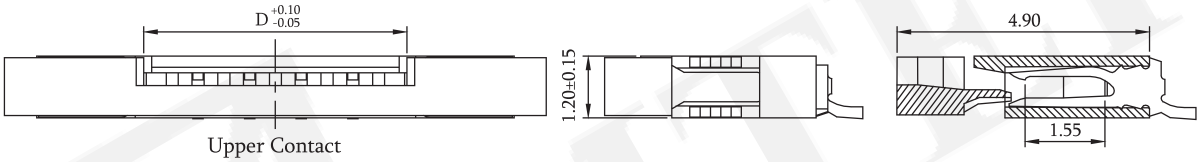
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=1.2mm

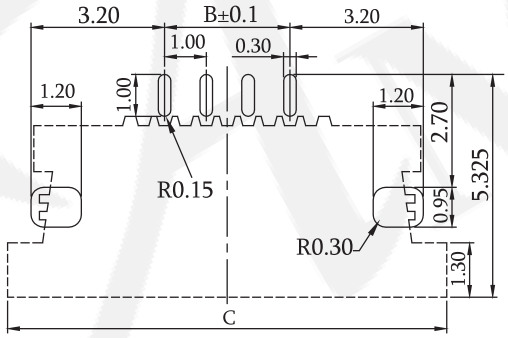
Specifications
Current Rating: 0.5 AMP
Voltage Rating: 50V
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -55°C to +85°C

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

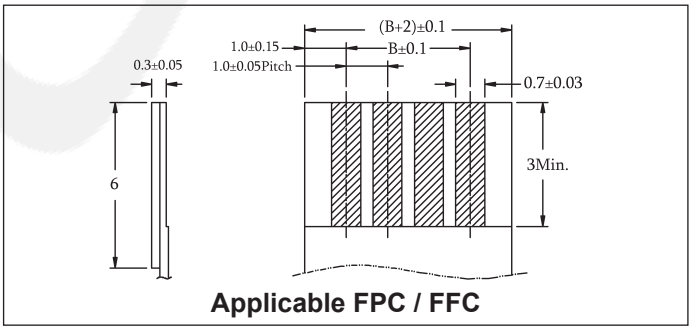








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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	X	X	W	U	H	-	0	1

- X: B:Bottom Contact / U:Upper Contact
- XX: No. of Contacts See Table
- XX: G0:Gold Flash / T0:Tin Plated
- W: W:White
- U: U:RoHS + LCP
- H-01: H:T/R W/O Cap

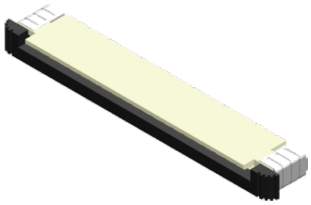
◎:Standard Recommended

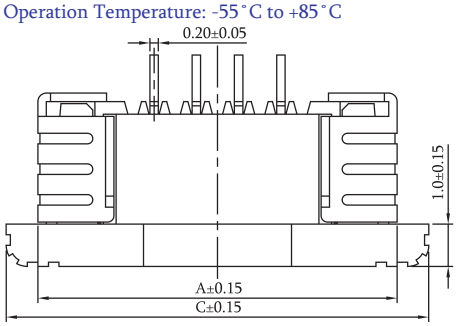
Old P/N:FPC3AMRT1

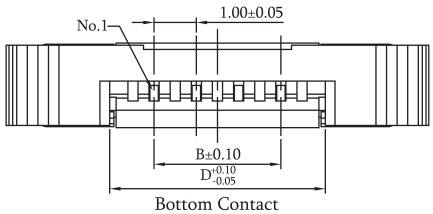
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

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

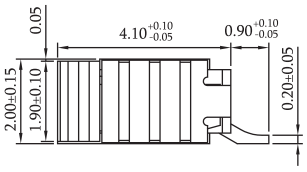
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

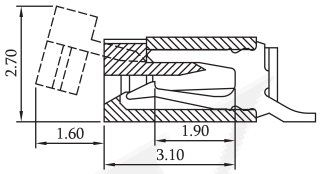


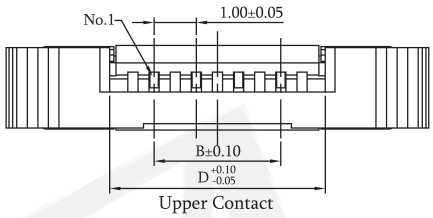




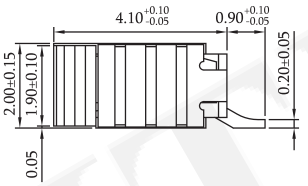
Bottom Contact

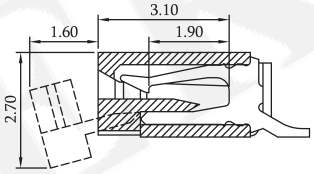


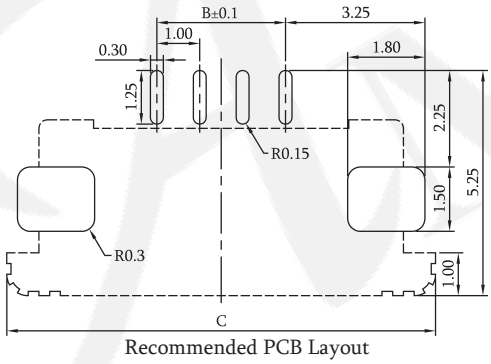




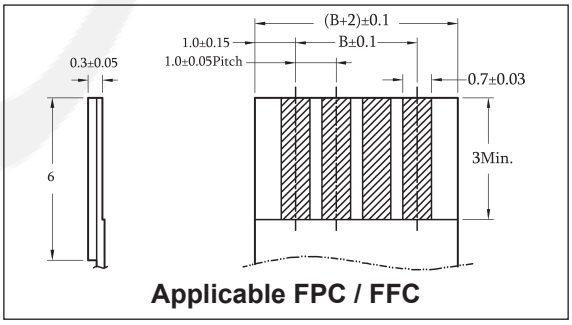
Upper Contact







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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	X	X	W	U	H	-	0	1

- X: B:Bottom Contact / U:Upper Contact
- X X: No. of Contacts See Table
- X X: G0:Gold Flash / T0:Tin Plated
- W: W:White
- U: U:RoHS + Hi-Temp
- H: H:T/R W/O Cap

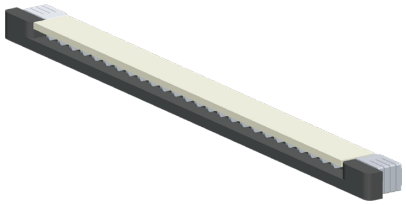
◎:Standard Recommended

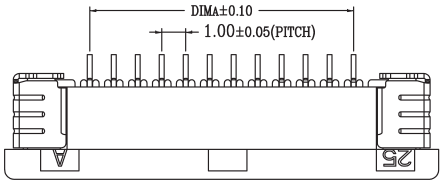
Old P/N:FPC3AMR1

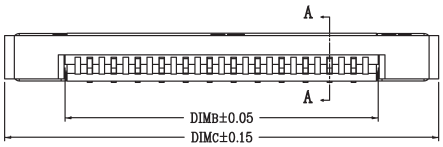
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.0mm

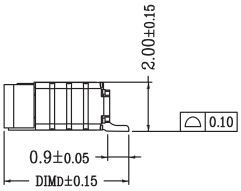
Specifications
Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature:-25˚C to +105˚C

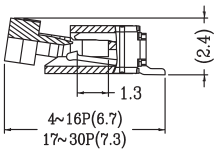
Material
Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper alloy

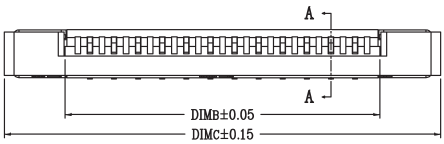


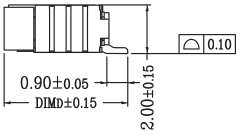


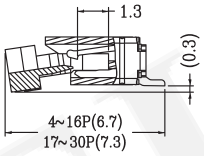




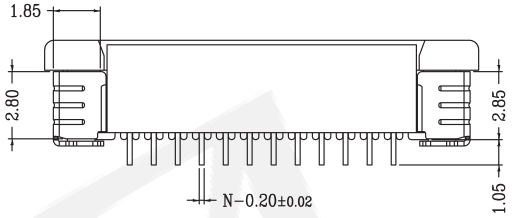


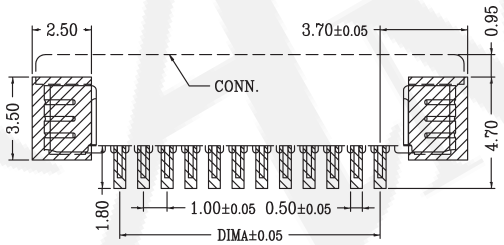




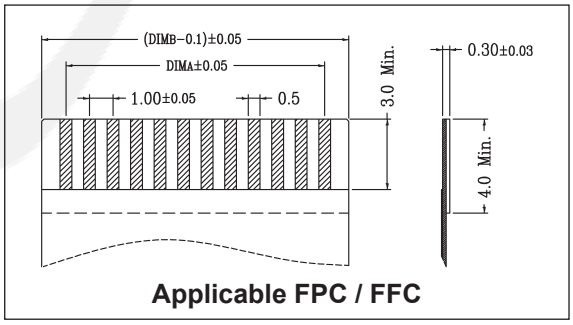


SECTION A-A





Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

No. of Contacts	Dimensions			
	A	B	C	D
04	3.00	5.06	10.10	5.20
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	5.75
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

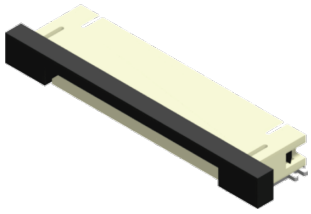
5	F	P	3	A	M	R	X	R	-	X	X	X	X	W	U	X	-	0	1
							B:Bottom Contact U:Upper Contact			No. of Contacts See Table		G0:Gold Flash		W:Natural	U:RoHS + LCP	H:T/R W/O Cap T:Tube W/O Cap			

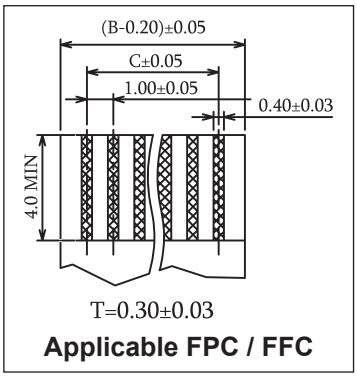
◎:Standard Recommended

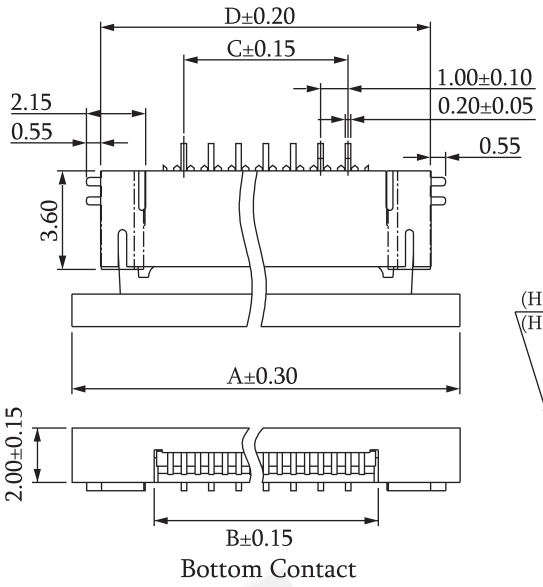
FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.3mm

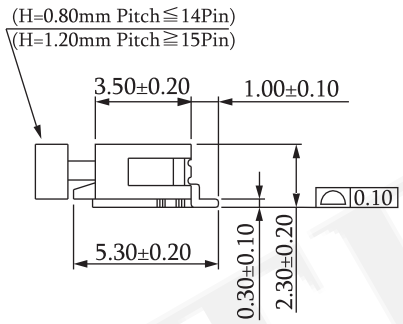
Specifications
Current Rating: 0.5 AMP
Insulation Resistance: 100MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -25˚C to +85˚C

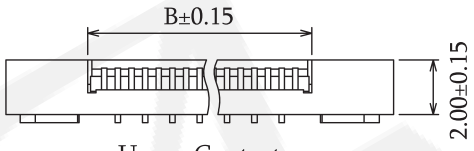
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

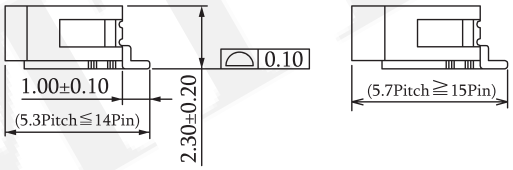


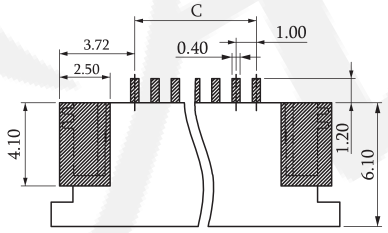


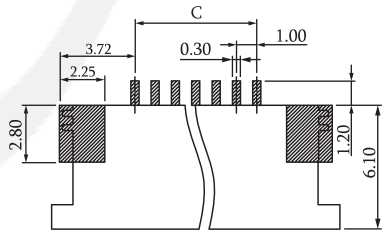












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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	R	X	D	-	X	X	X	X	W	U	X	-	0	1

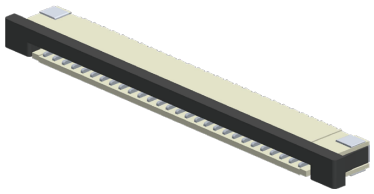
- X: B:Bottom Contact / U:Upper Contact
- XX: No. of Contacts See Table
- XX: G0:Gold Flash / T0:Tin Plated
- W: W:White
- U: U:RoHS + Hi-Temp
- X: T:Tube W/O Cap / H:T/R W/O Cap

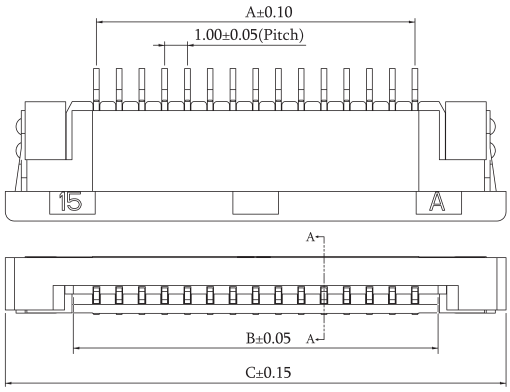
◎:Standard Recommended

FPC/FFC 1.0mm ZIF SMT R/A Type Slider Bottom & Top Contact H=2.56mm

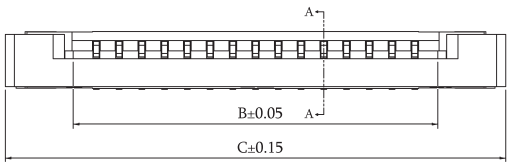
Specifications
Contact Resistance: 30mΩ Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature:-25˚C to +85˚C

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

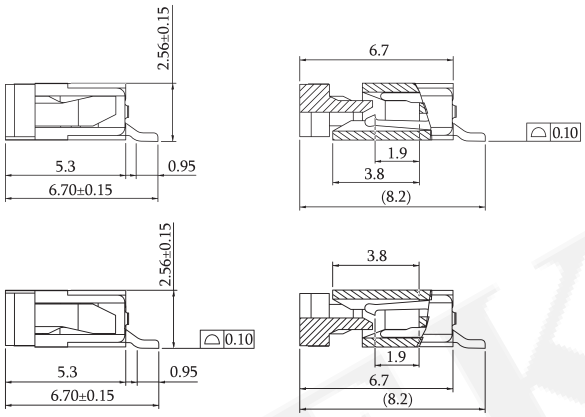


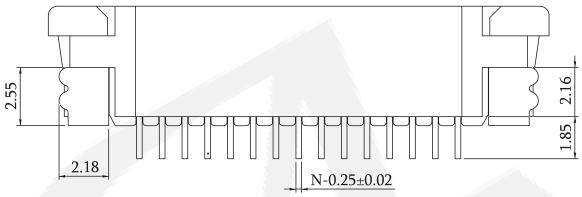


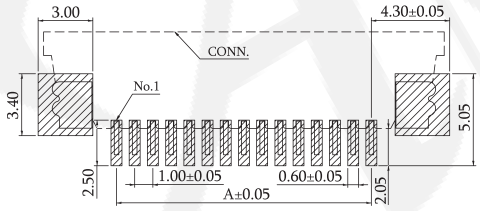
Bottom Contact



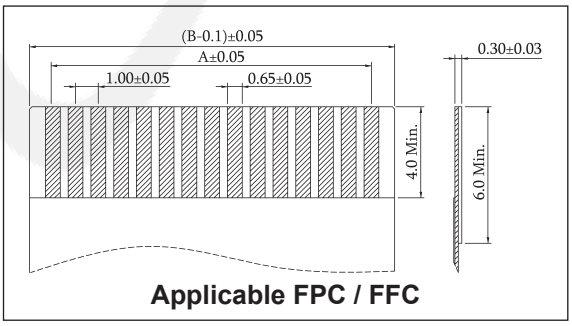
Upper Contact







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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	R	X	R	-	X	X	X	X	W	U	X	-	0	2

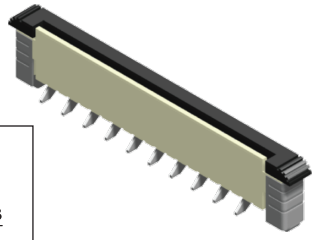
- X: B:Bottom Contact / U:Upper Contact
- XX: No. of Contacts See Table
- XX: G0:Gold Flash / T0:Tin Plated
- W: W:Natural
- U: U:RoHS + LCP
- X: H:T/R W/O Cap / T:Tube W/O Cap

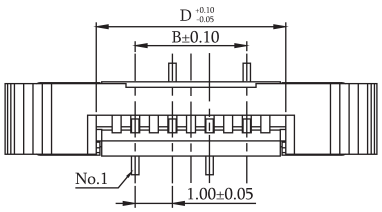
◎:Standard Recommended

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

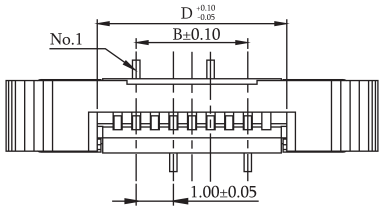
Specifications
Current Rating: 0.5 AMP
Operating Voltage: 50V AC/DC
Operation Temperature: -55˚C to +85˚C

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

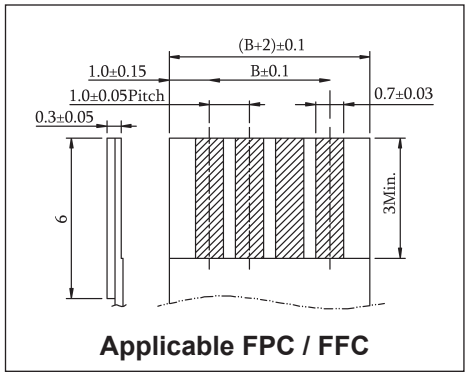




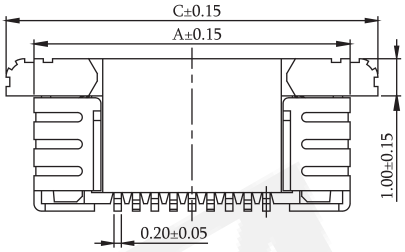
A Type

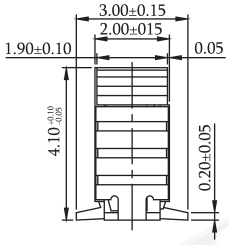


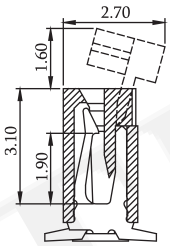
B Type

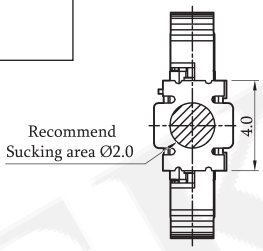


Applicable FPC / FFC

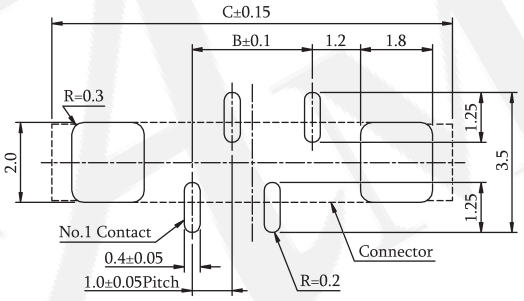




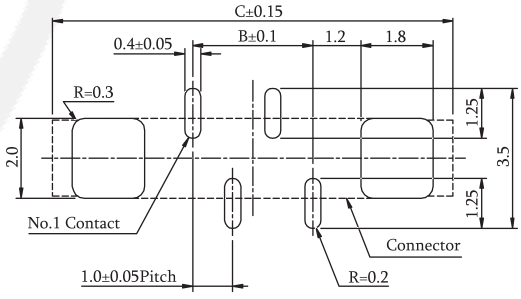




CAP



A Type



B Type

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
24	28.5	23.0	30.0	25.1

ORDER INFORMATION

5	F	P	3	A	M	S	X	C	-	X	X	X	X	W	U	R	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- XX: G0:Gold Flash; T0:Tin Plated
- W: W:White
- U: U:RoHS + LCP
- R-01: R:T/R With Cap

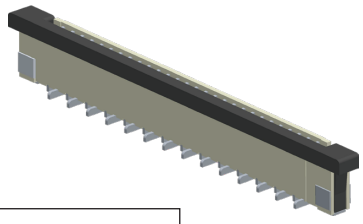
◎:Standard Recommended

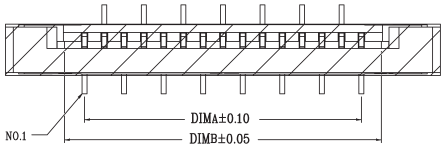
Old P/N:FPC3AMS1

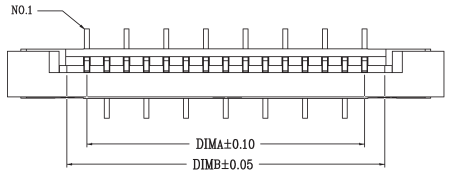
FPC/FFC 1.0mm ZIF SMT Vertical Type Slider H=5.5mm

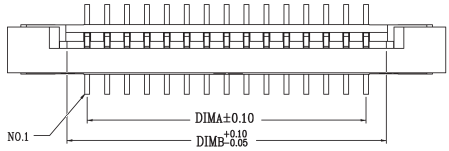
Specifications
Contact Resistance: 0.03Ω Max
Voltage Rating: 50V AC/DC
Insulation Resistance: 500MΩ Min
Operation Temperature:-25˚C to +85˚C

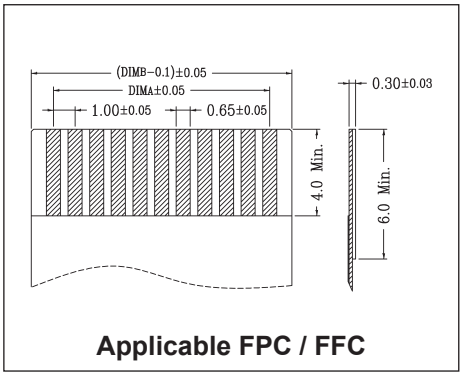
Material
Insulator: LCP, UL 94V-0, Natural
Actuator: LCP, UL 94V-0, Black
Contact Pin: Copper alloy

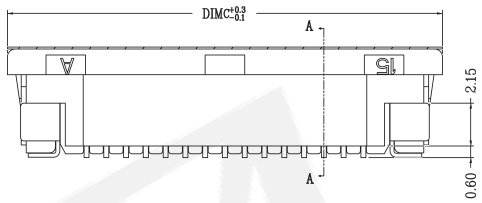


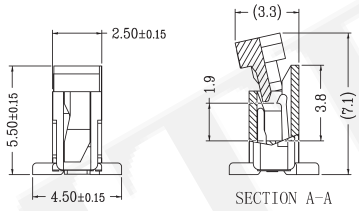


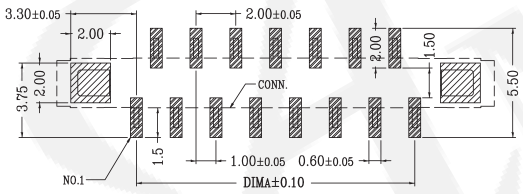


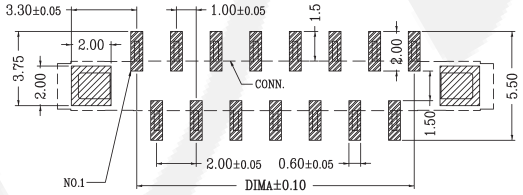


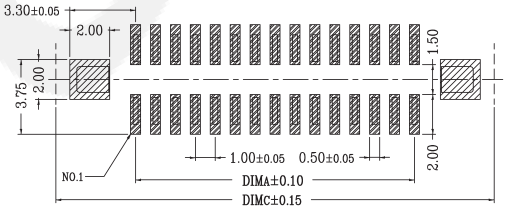












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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	X	X	W	U	X	-	0	X

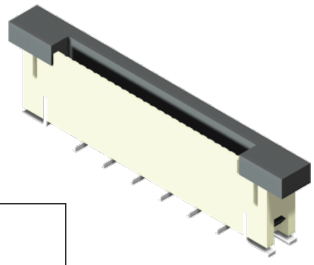
- X: A:A Type; B:B Type; M:M Type
- XX: No. of Contacts; See Table
- XX: G0:Gold Flash; T0:Tin Plated
- W: W:Natural
- U: U:RoHS + LCP
- X: H:T/R W/O Cap; T:Tube W/O Cap
- X: 01: B Type; 02: A Type, M:M Type

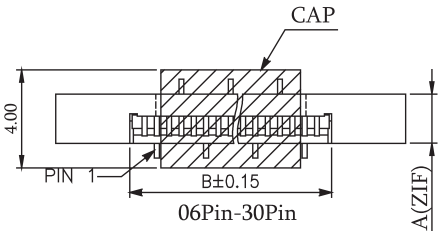
◎:Standard Recommended

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

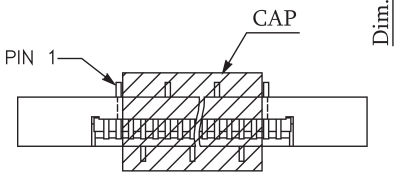
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Phosphor Bronze



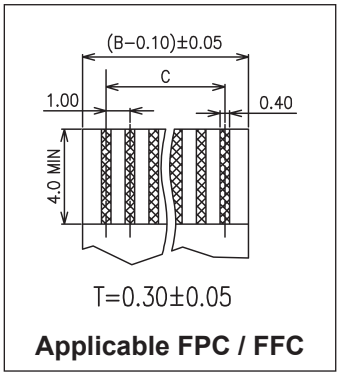


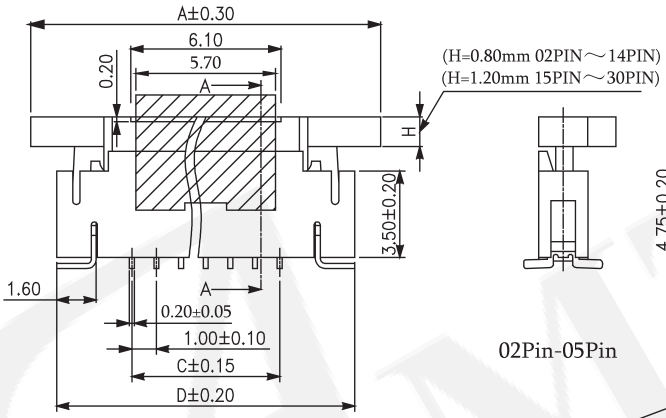
A Type

06Pin-30Pin

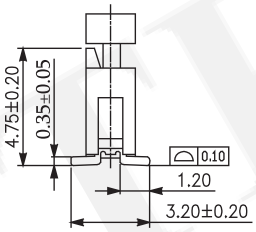


B Type

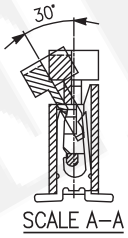


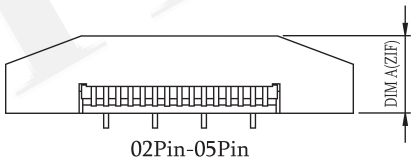


02Pin-05Pin

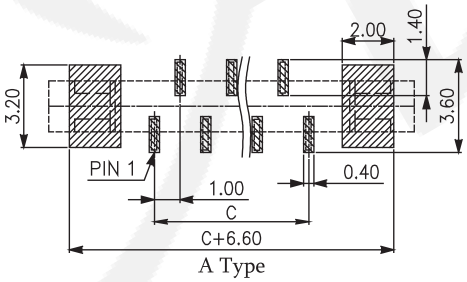


06Pin-30Pin

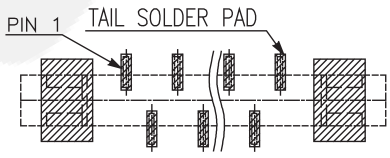




02Pin-05Pin



A Type



B Type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions			
	A	B	C	D
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

No. of Contacts	Dimensions			
	A	B	C	D
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	X	X	W	U	X	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- XX: G0:Gold Flash; T0:Tin Plated
- W: W:White
- U: U:RoHS + Hi-Temp
- X: T:Tube W/O Cap; H:T/R W/O Cap; R:T/R With Cap

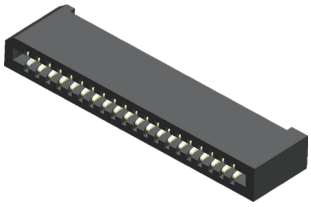
◎:Standard Recommended

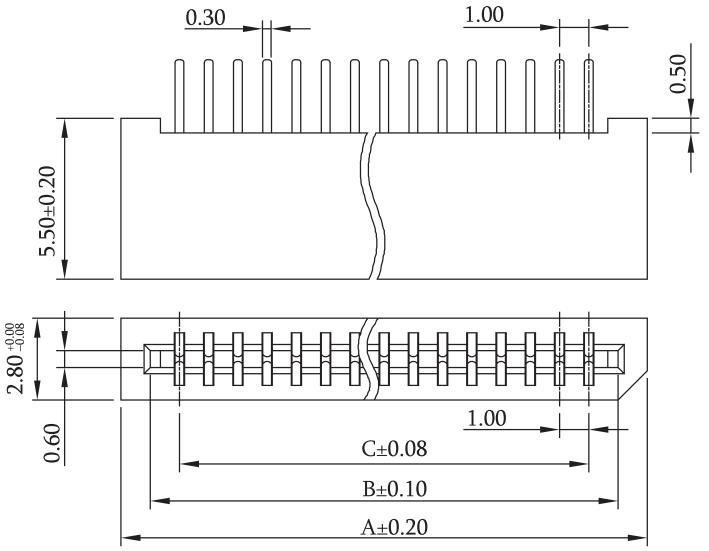
Old P/N:FPC3AMS6

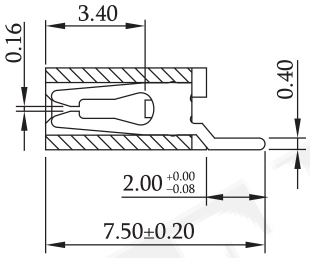
FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.8mm

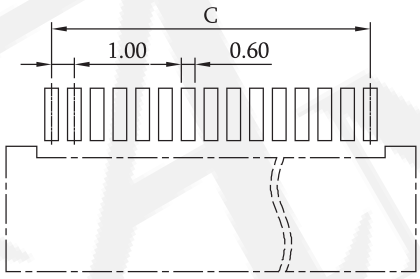
Specifications
Current Rating: 1.0 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

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

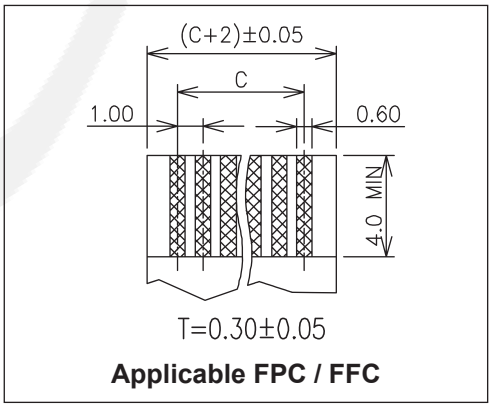








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

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		T	0		B		U		X	-	0	1
										No. of Contacts See Table			T0:Tin Plated			B:Black		U:RoHS + Hi-Temp		T:Tube W/O Cap H:T/R W/O Cap			

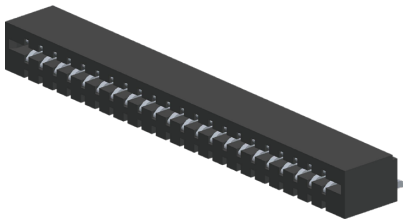
◎:Standard Recommended

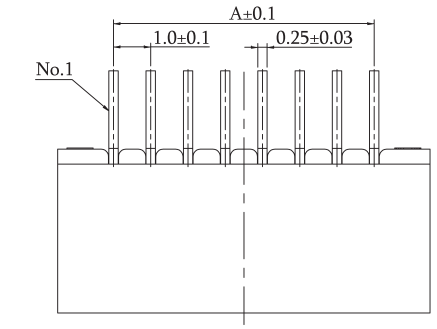
Old P/N:FPC3BMR6

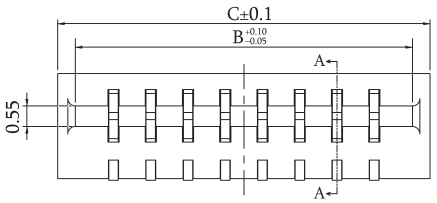
FPC/FFC 1.0mm Non-ZIF SMT R/A Type H=2.9mm

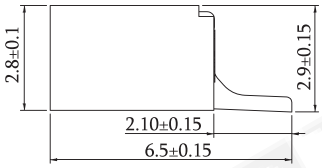
Specifications
Current Rating: 0.5 AMP
Voltage Rating: 50V, (AC/DC).
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Operation Temperature: -20˚C to +85˚C

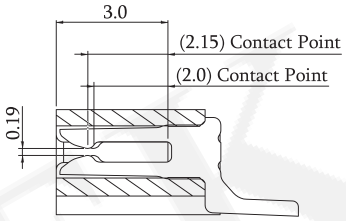
Material
Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy, Tin plated





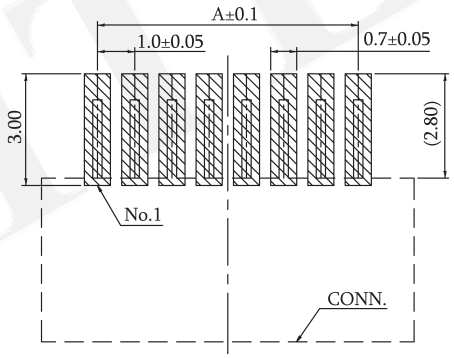




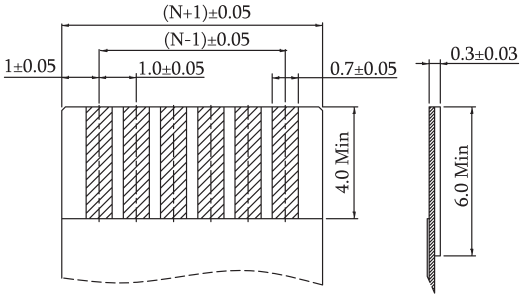


SECTION A-A

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



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

ORDER INFORMATION

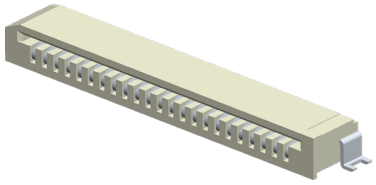
5	F	P	3	B	M	R	N	R	-	X	X		T	0		B		U		X	-	0	1
										No. of Contacts See Table			T0:Tin Plated			B:Black		U:RoHS + LCP		H:T/R W/O cap T:Tube W/O Cap			

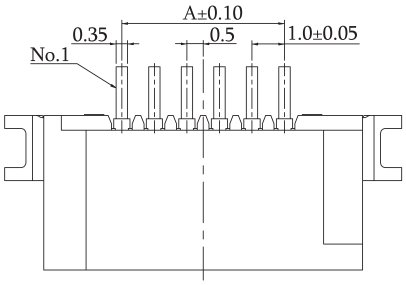
◎:Standard Recommended

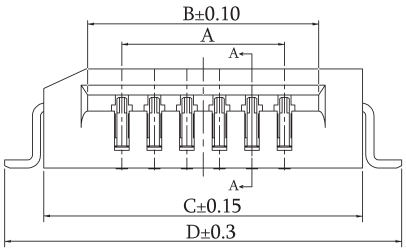
FPC/FFC 1.0mm Non-ZIF SMT R/A Type Single Contact H=3.1mm

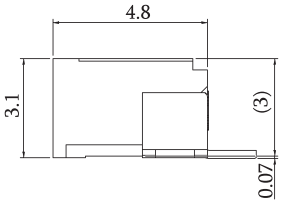
Specifications
Voltage Rating: 50V, (AC/DC).
Insulation Resistance: 500MΩ Min.
Contact Resistance: 55mΩ Max.
Operation Temperature: -40˚C to +85˚C

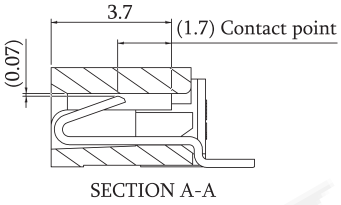
Material
Insulator: LCP, UL 94V-0
Contact Pin: Copper Alloy

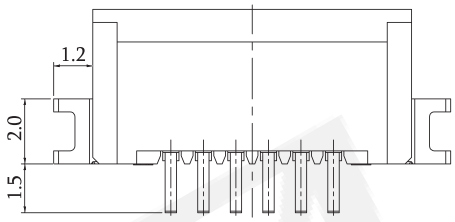




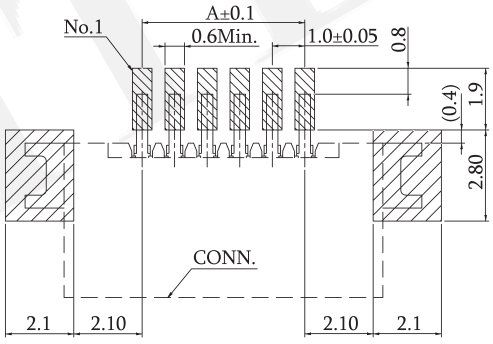




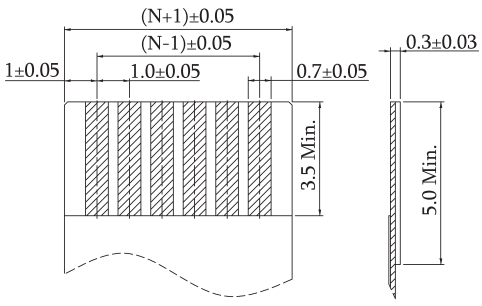




No. of Contacts	Dimensions			
	A	B	C	D
03	2.0	4.10	6.8	9.2
04	3.0	5.10	7.8	10.2
05	4.0	6.10	8.8	11.2
06	5.0	7.10	9.8	12.2
07	6.0	8.10	10.8	13.2
08	7.0	9.10	11.8	14.2
09	8.0	10.10	12.8	15.2
10	9.0	11.10	13.8	16.2
11	10.0	12.10	14.8	17.2
12	11.0	13.10	15.8	18.2
13	12.0	14.10	16.8	19.2
14	13.0	15.10	17.8	20.2
15	14.0	16.10	18.8	21.2
16	15.0	17.10	19.8	22.2
17	16.0	18.10	20.8	23.2
18	17.0	19.10	21.8	24.2
19	18.0	20.10	22.8	25.2
20	19.0	21.10	23.8	26.2
21	20.0	22.10	24.8	27.2
22	21.0	23.10	25.8	28.2
23	22.0	24.10	26.8	29.2
24	23.0	25.10	27.8	30.2
25	24.0	26.10	28.8	31.2
26	25.0	27.10	29.8	32.2
27	26.0	28.10	30.8	33.2
28	27.0	29.10	31.8	34.2
29	28.0	30.10	32.8	35.2
30	29.0	31.10	33.8	36.2



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



Applicable FPC / FFC

ORDER INFORMATION

5	F	P	3	B	M	R	B	R	-	X	X	X	X	W	U	X	-	0	1

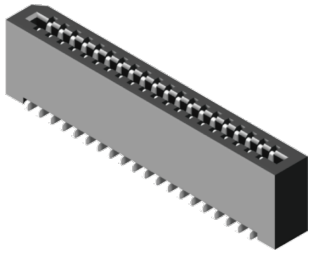
- XX: No. of Contacts — See Table
- XX: G0:Gold Flash, T0:Tin Plated
- W: W:Natural
- U: U:RoHS + LCP
- X: H:T/R W/O Cap, T:Tube W/O Cap

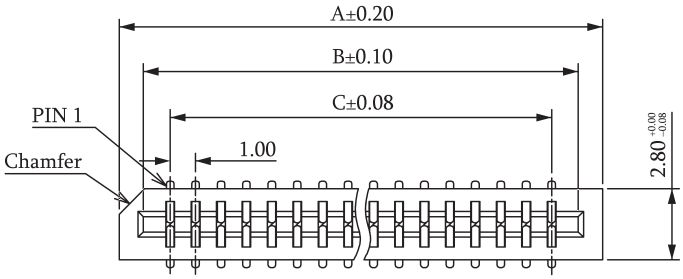
◎:Standard Recommended

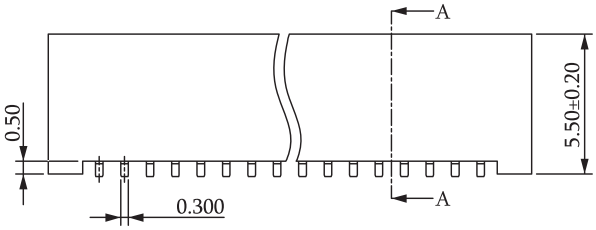
FPC/FFC 1.0mm Non-ZIF SMT Vertical Type H=5.6mm

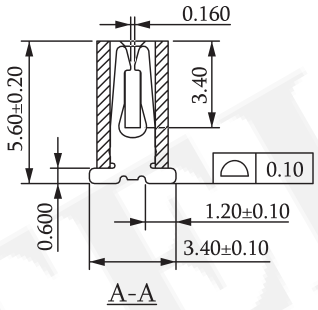
Specifications
Current Rating: 1.0 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

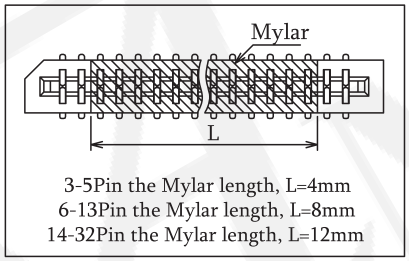
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy



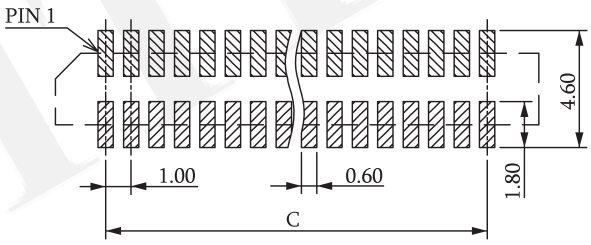








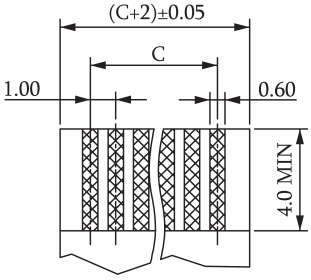
3-5Pin the Mylar length, L=4mm
6-13Pin the Mylar length, L=8mm
14-32Pin the Mylar length, L=12mm



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

No. of Contacts	Dimensions		
	A	B	C
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
31	34.00	32.10	30.00
32	35.00	33.10	31.00



T=0.30±0.05
Applicable FPC / FFC

ORDER INFORMATION

5	F	P	3	B	M	S	M	D	-	X	X	T	0	B	U	X	-	0	1

- XX: No. of Contacts, See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- X: T:Tube W/O Cap; M:T/R With Mylar

◎:Standard Recommended

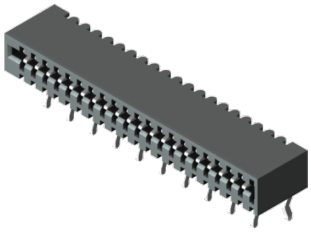
Old P/N:FPC3BMS6

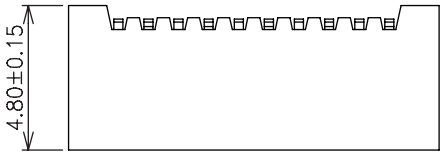
RoHS

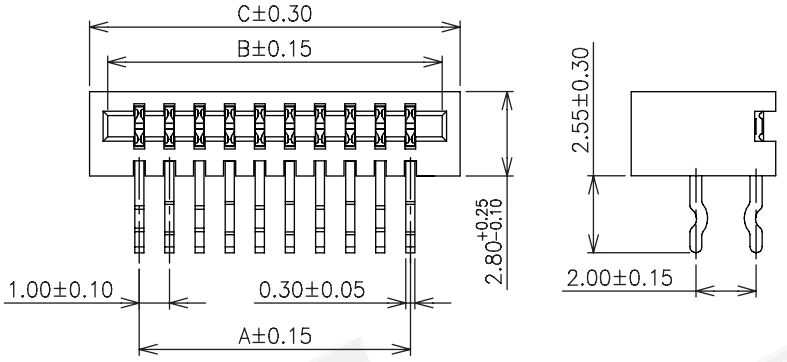
FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm

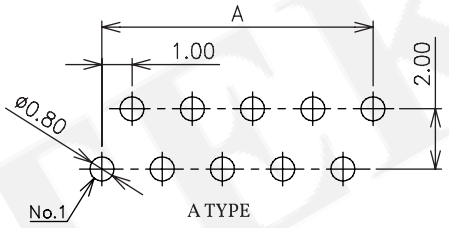
Specifications
Current Rating: 1.0AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

Material
Insulator: Nylon 6T, UL 94V-0
Contact Pin: Phosphor Bronze

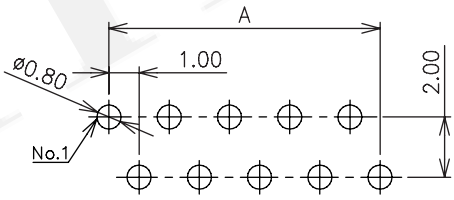








A TYPE

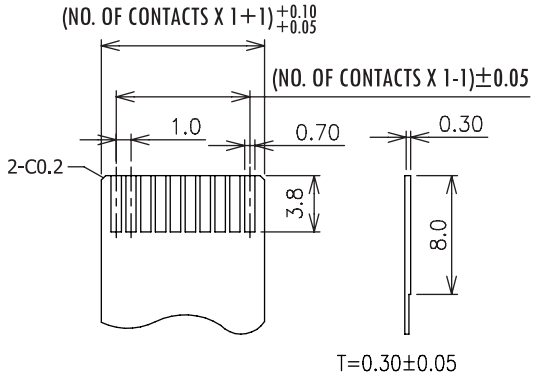


B TYPE

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

No. of Contacts	Dimensions		
	A	B	C
4	3.00	5.10	6.30
5	4.00	6.10	7.30
6	5.00	7.10	8.30
7	6.00	8.10	9.30
8	7.00	9.10	10.30
9	8.00	10.10	11.30
10	9.00	11.10	12.30
11	10.00	12.10	13.30
12	11.00	13.10	14.30
13	12.00	14.10	15.30
14	13.00	15.10	16.30
15	14.00	16.10	17.30
16	15.00	17.10	18.30
17	16.00	18.10	19.30
18	17.00	19.10	20.30
19	18.00	20.10	21.30
20	19.00	21.10	22.30
21	20.00	22.10	23.30
22	21.00	23.10	24.30

No. of Contacts	Dimensions		
	A	B	C
23	22.00	24.10	25.30
24	23.00	25.10	26.30
25	24.00	26.10	27.30
26	25.00	27.10	28.30
27	26.00	28.10	29.30
28	27.00	29.10	30.30
29	28.00	30.10	31.30
30	29.00	31.10	32.30
31	30.00	32.10	33.30
32	---	---	---
33	32.00	34.10	35.30
34	33.00	35.10	36.30
35	34.00	36.10	37.30
36	35.00	37.10	38.30
37	36.00	38.10	39.30
38	37.00	39.10	40.30
39	38.00	40.10	41.30
40	39.00	41.10	42.30



Applicable FPC / FFC

ORDER INFORMATION

5	F	P	3	B	1	R	X	D	-	X	X	T	0	B	U	T	-	0	1

- X: A: A Type / B: B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- T-01: T:Tube W/O Cap

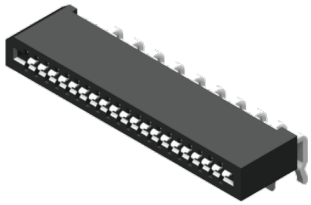
◎:Standard Recommended

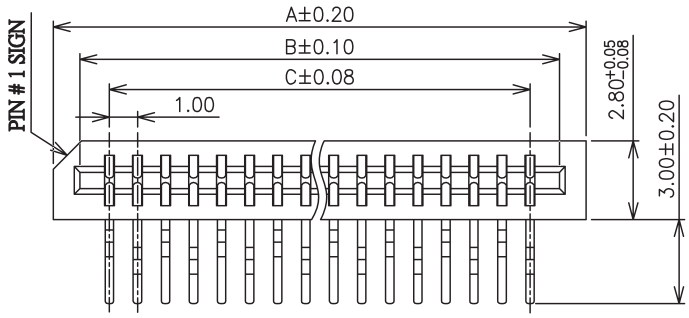
Old P/N:FPC3BRL6

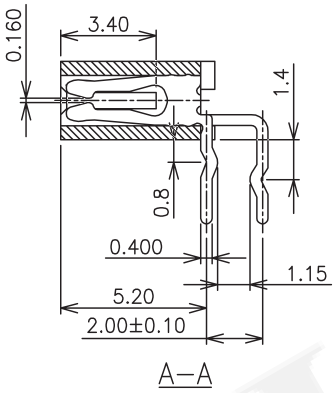
FPC/FFC 1.0mm Non-ZIF DIP R/A Type H=2.8mm

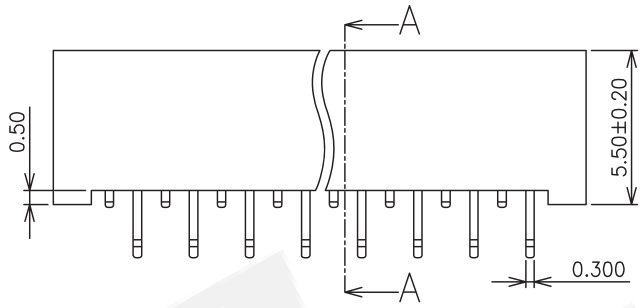
Specifications
Current Rating: 1.0 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500VAC for one minute
Operation Temperature: -25˚C to +85˚C

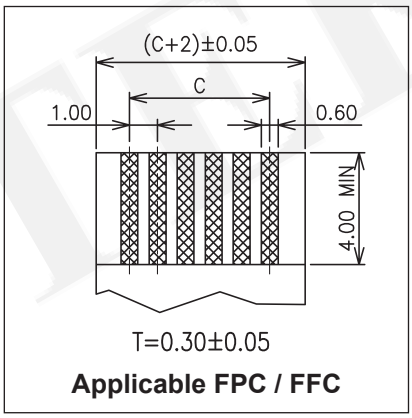
Material
Insulator: High Temperature Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

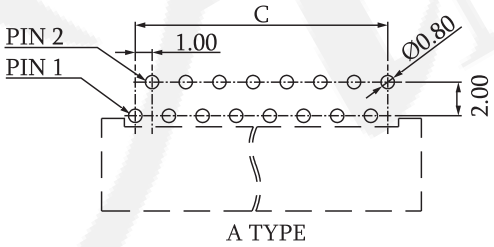


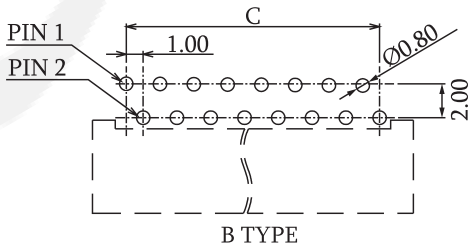












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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	2	R	X	D	-	X	X	T	0	B	U	T	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- T-01: T:Tube W/O Cap

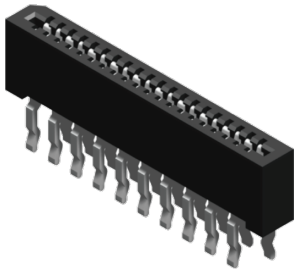
◎:Standard Recommended

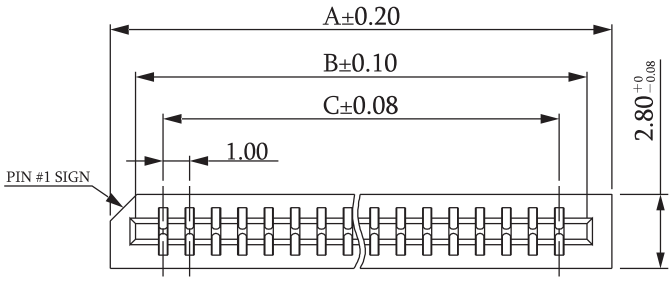
Old P/N:FPC3BR6

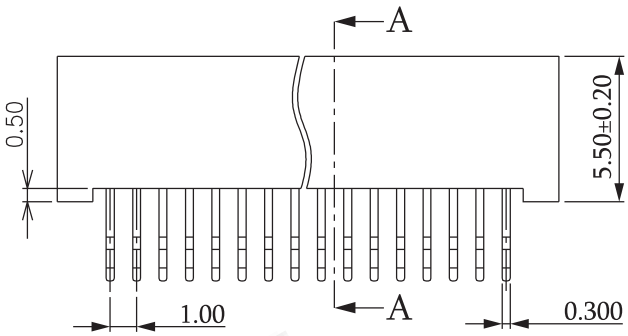
FPC/FFC 1.0mm Non-ZIF DIP Vertical Type H=5.5mm

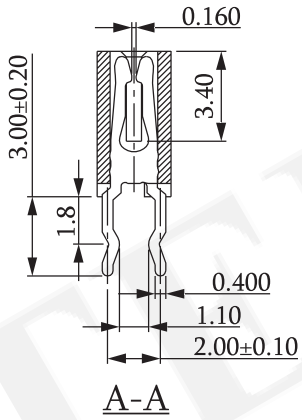
Specifications
Current Rating: 1.0AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

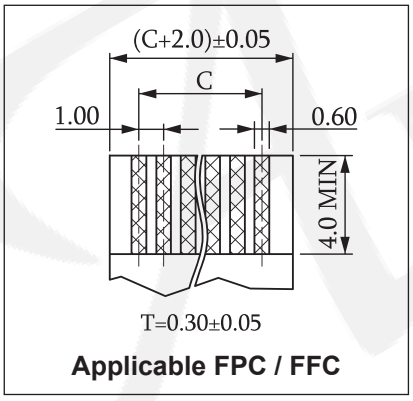
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

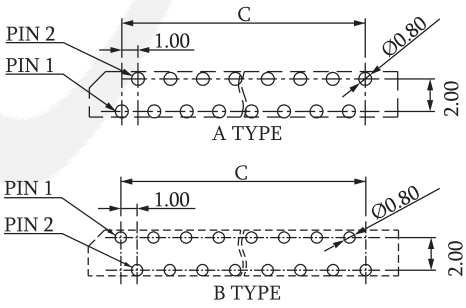












Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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	T	0	B	U	X	-	0	1

- PCB Layout: A:A Type, B:B Type
- No. of Contacts: See Table
- T0:Tin Plated
- B:Black
- U:RoHS + Hi-Temp
- T:Tube W/O Cap

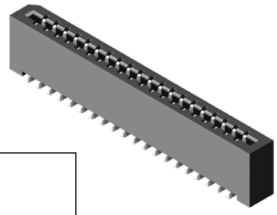
◎:Standard Recommended

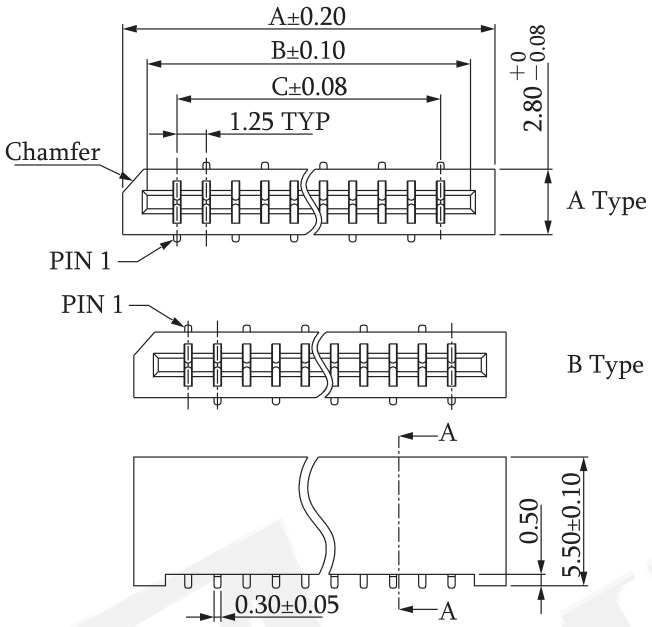
Old P/N:FPC3BS6

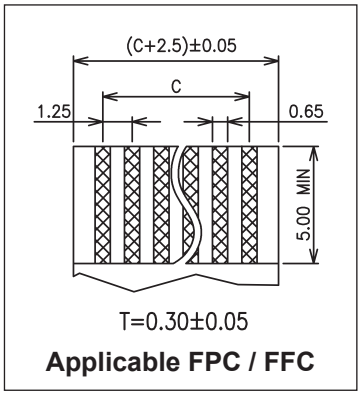
FPC/FFC 1.25mm Non-ZIF SMT Vertical Type H=5.5mm

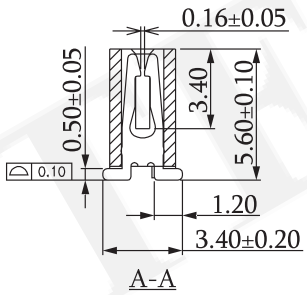
Specifications
Current Rating: 1 AMP
Voltage Rating: 100V AC/DC
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

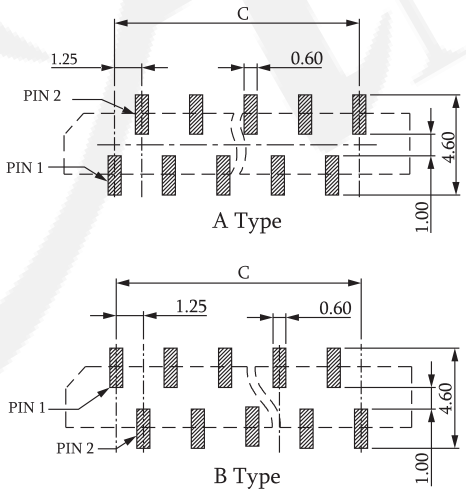
Material
Insulator: PA6T, UL 94V-0
Contact Pin: Phosphor Bronze











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	T	0	B	U	X	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + PA6T
- X: T:Tube W/O Cap; H:T/R W/O Cap; M:T/R With Mylar

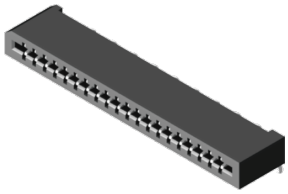
◎:Standard Recommended

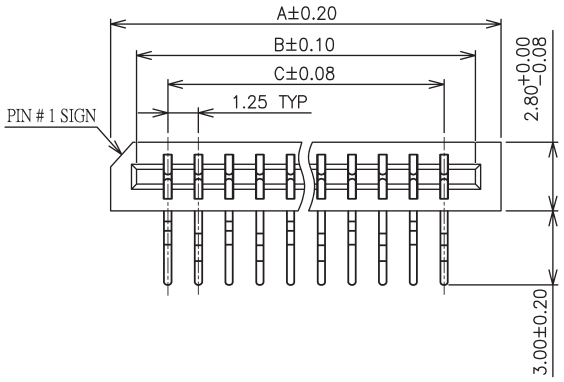
Old P/N:FPC2BMS6

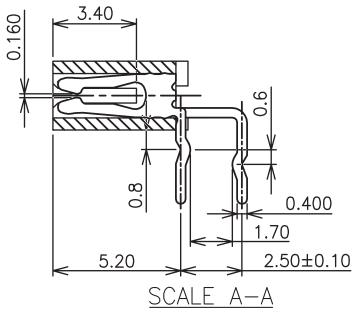
FPC/FFC 1.25mm Non-ZIF DIP R/A Type H=2.8mm

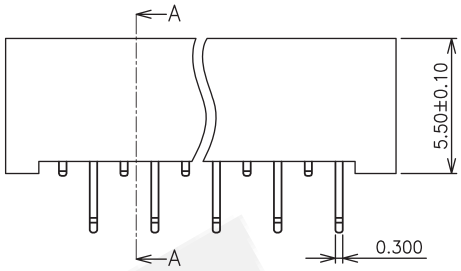
Specifications
Current Rating: 1 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

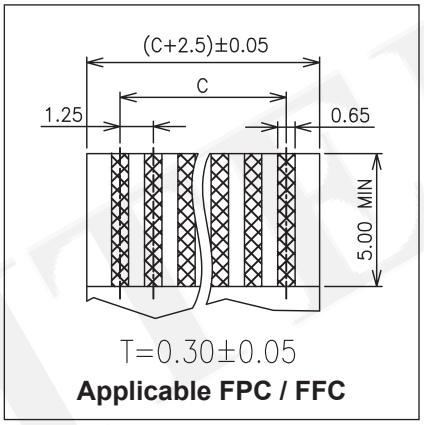
Material
Insulator: PA6T, UL 94V-0
Contact Pin: Phosphor Bronze



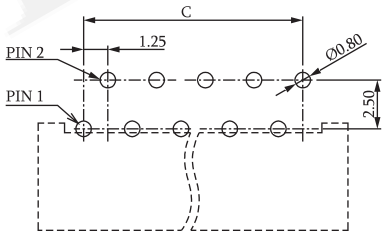




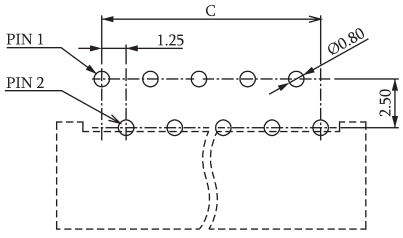




No. of Contacts	Dimensions		
	A	B	C
04	8.40	6.30	3.75
05	9.65	7.55	5.00
06	10.90	8.80	6.25
08	13.40	11.30	8.75
10	15.90	13.80	11.25
11	17.15	15.05	12.50
16	23.40	21.30	18.75
17	24.65	22.55	20.00
18	25.90	23.80	21.25
20	28.40	26.30	23.75
24	33.40	31.30	28.75
26	35.90	33.80	31.25
27	37.15	35.05	32.50
28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



A Type



B Type

Recommended PCB Layout
(PCB TOLERANCE ±0.05)

ORDER INFORMATION

5	F	P	2	B	1	R	X	D	-	X	X	T	0	B	U	T	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + PA6T
- T-01: T:Tube W/O Cap

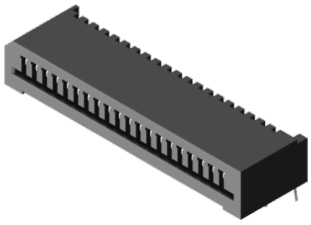
◎:Standard Recommended

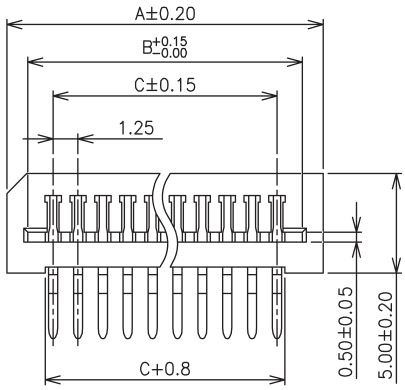
Old P/N:FPC2BR6

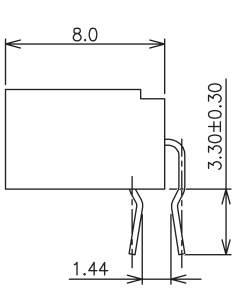
FPC/FFC 1.25mm Non-ZIF DIP R/A Type Single Contact H=5.0mm

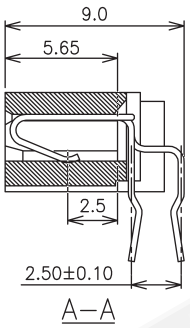
Specifications
Current Rating: 1 AMP
Voltage Rating: 200V AC/DC
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

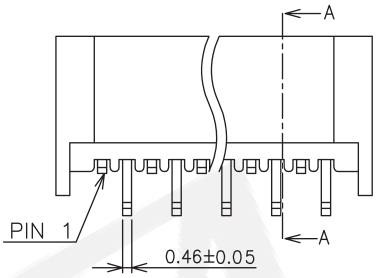
Material
Insulator: Nylon 6T, UL 94V-0
Contact Pin: Phosphor Bronze

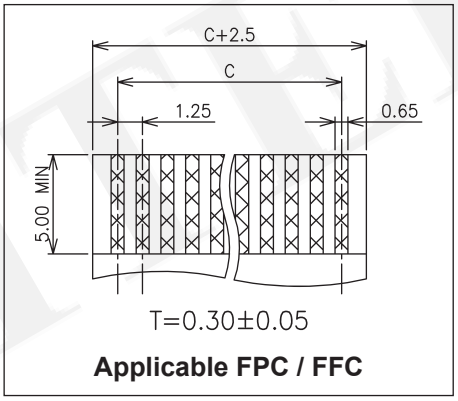


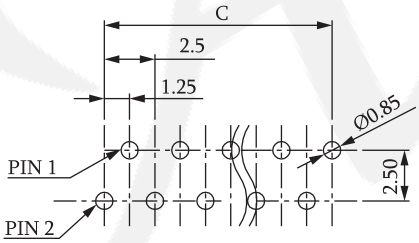




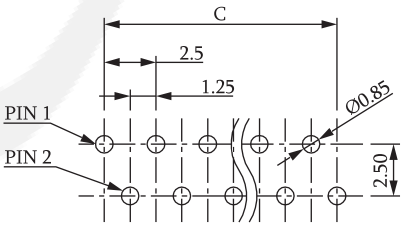








A TYPE



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

No. of Contacts	Dimensions		
	A	B	C
16	23.40	21.30	18.75
17	24.65	22.55	20.00
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

ORDER INFORMATION

5	F	P	2	B	2	R	X	D	-	X	X	T	0	B	U	T	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- T-01: T:Tube W/O Cap

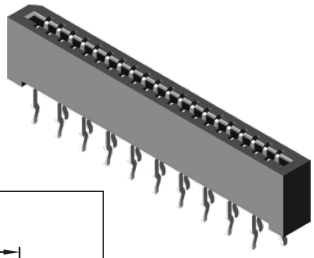
◎:Standard Recommended

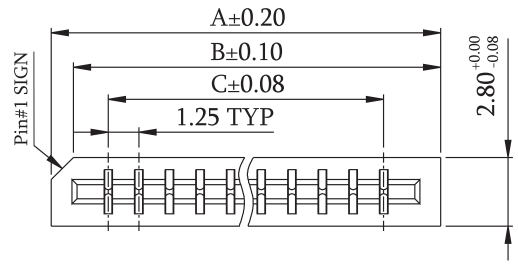
Old P/N:FPC2BR6

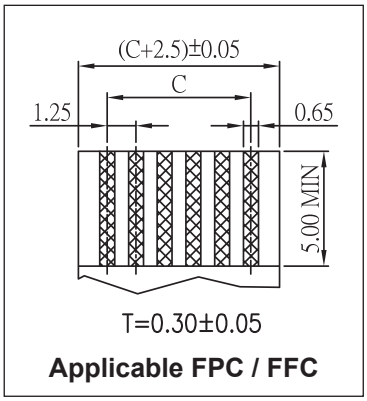
FPC/FFC 1.25mm Non-ZIF DIP Vertical Type H=5.5mm

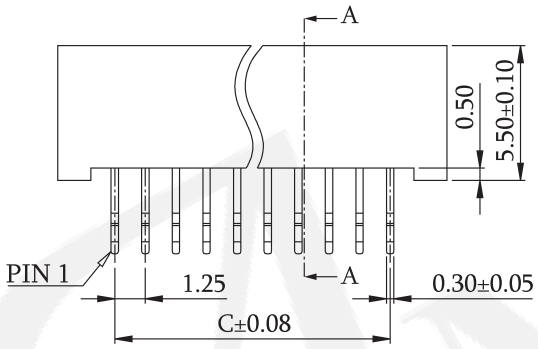
Specifications
Current Rating: 1 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

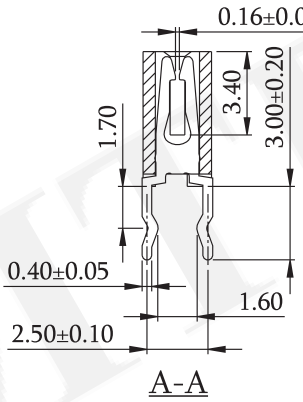
Material
Insulator: Hi-Temp. Thermoplastic, UL 94V-0
Contact Pin: Copper Alloy

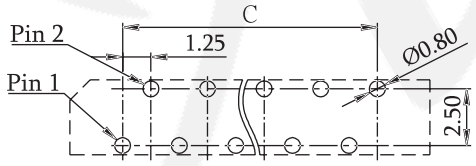




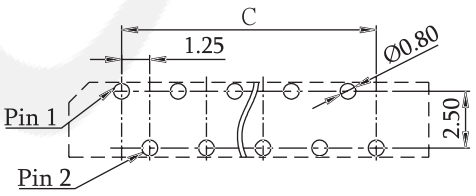








A Type



B Type

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	T	0	B	U	T	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- T-01: T:Tube W/O Cap

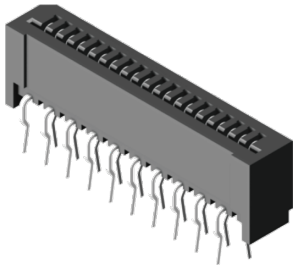
◎:Standard Recommended

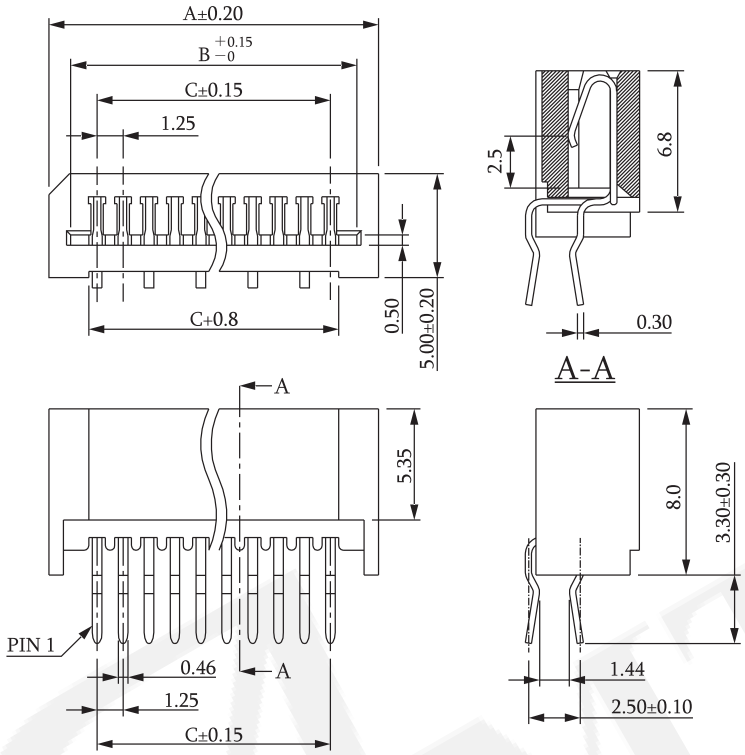
Old P/N:FPC2BS6

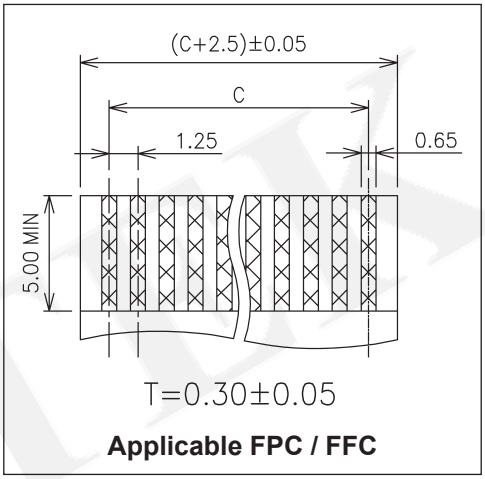
FPC/FFC 1.25mm Non-ZIF DIP Vertical Type Single Contact H=8.0mm

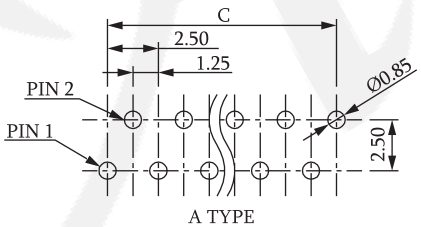
Specifications
Current Rating: 1 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -25˚C to +85˚C

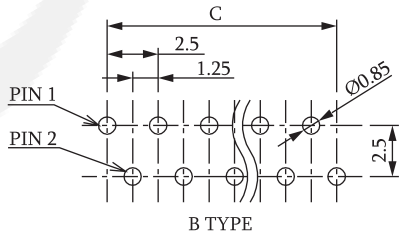
Material
Insulator: Nylon 6T, UL 94V-0
Contact Pin: Copper Alloy











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

No. of Contacts	Dimensions		
	A	B	C
17	24.65	22.55	20.00
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

ORDER INFORMATION

5	F	P	2	B	2	S	X	D	-	X	X	T	0	B	U	T	-	0	1

- X: PCB Layout — A:A Type; B:B Type
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- U: U:RoHS + Hi-Temp
- T-01: T:Tube W/O Cap

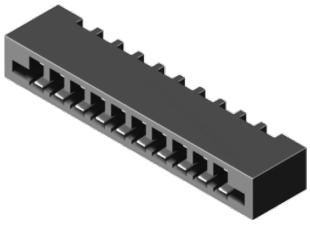
◎:Standard Recommended

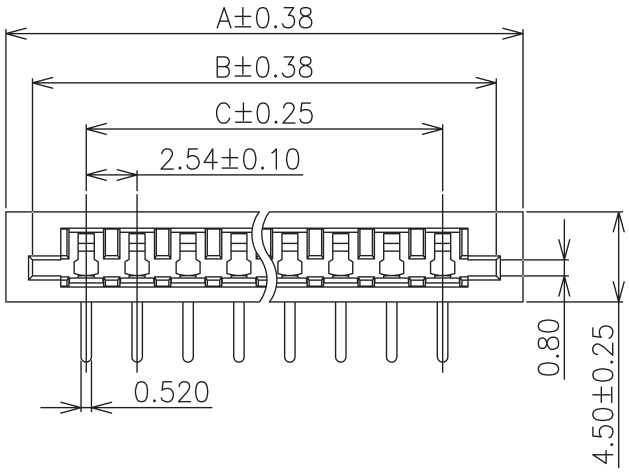
Old P/N:FPC2BSS6

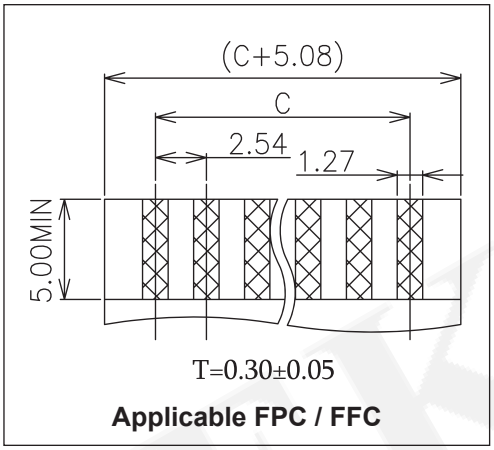
FPC/FFC 2.54mm Non-ZIF DIP R/A Type Single Contact H=4.5mm

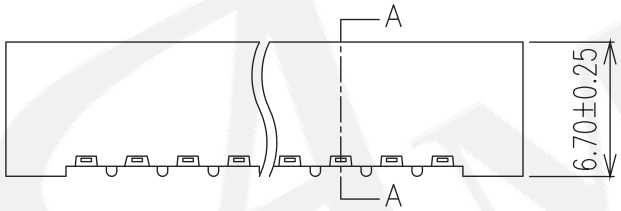
Specifications
Current Rating: 3 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25˚C to +85˚C

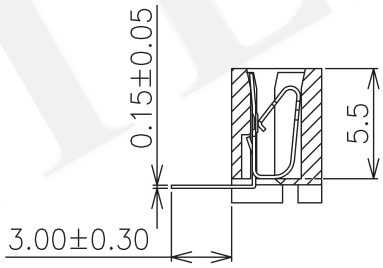
Material
Insulator: PBT, UL 94V-0
Contact Pin: Copper Alloy



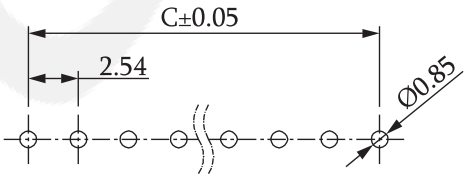








Section A-A



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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		T	0		B		L		T	-	0	1
										No. of Contacts See Table			T0:Tin Plated			B:Black		L:RoHS + PBT		T:Tube W/O Cap			

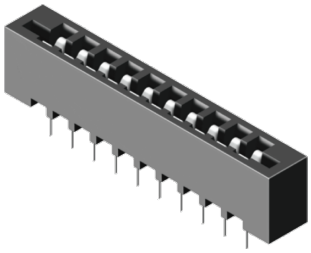
◎:Standard Recommended

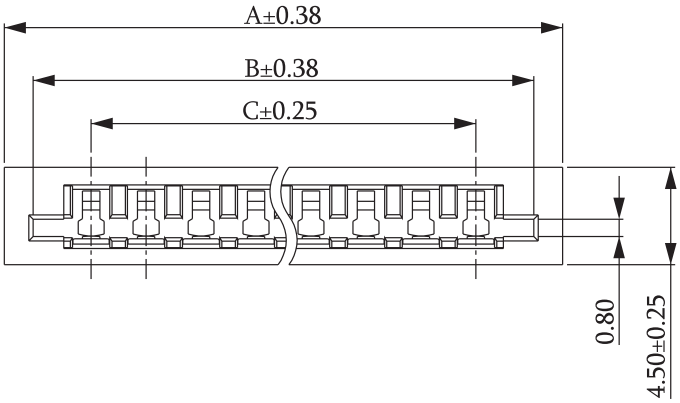
Old P/N:FPC1DR6

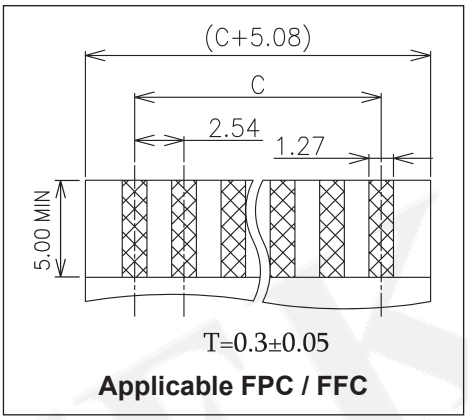
FPC/FFC 2.54mm Non-ZIF DIP Vertical Type Single Contact H=6.7mm

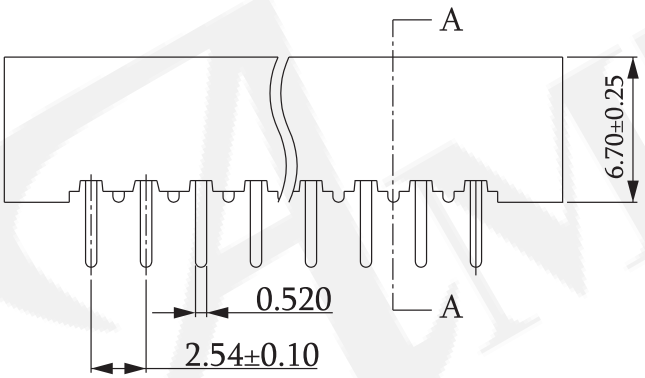
Specifications
Current Rating: 3 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 1000V AC for one minute
Operation Temperature: -25˚C to +85˚C

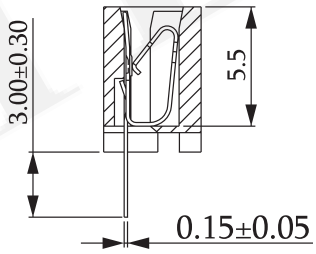
Material
Insulator: PBT, UL 94V-0
Contact Pin: Copper Alloy



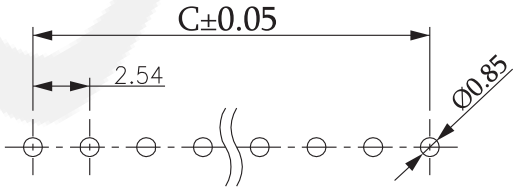








SECTION A-A



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(PCB TOLERANCE ±0.05)

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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	T	0	B	L	T	-	0	1

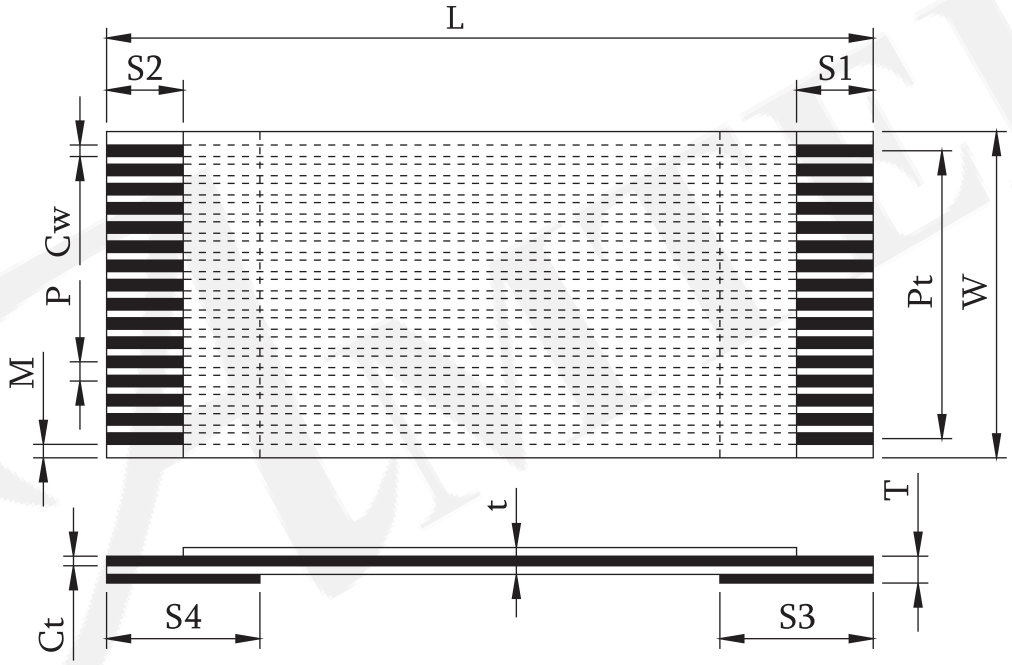
- XX: No. of Contacts — See Table
- T0: T0:Tin Plated
- B: B:Black
- L: L:RoHS + PBT
- T-01: T:Tube W/O Cap

◎:Standard Recommended

Old P/N:FPC1DS6

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
			±0.05	±0.05	±0.08	±0.08	±0.10	±0.10	±0.10	±0.10
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±0.05 (For 0.3mm pitch) 0.3±0.05 (For other pitchs)							



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

Type

A		C	
B		D	

◎F:Flexible (For Pitch:0.5~1.27)	Ct=0.05 t=0.14 (Pitch 0.3mm t=0.20)
	Ct=0.05 t=0.20 (2643)
S:Super Flexible (For Pitch:0.5/1.0/1.25)	Ct=0.035 t=0.12
	Ct=0.035 t=0.195 (2643)
L:Low Flexible (Ct=0.1)	t=0.22 (20706)
	t=0.22 (2896)
	t=0.22 (20624)
	t=0.26 (2643)

☆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.

Add. Option
Blank:W/O Add. Option A:Al. Foil B:Copper Foil C:Conductive Fabric D:Mylar

◎:Standard Recommended

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IATF 16949:2016

ISO 9001:2015

ISO 14001:2015

ISO 14064-1:2018

ECBT2-E322618

XCFR2-E346158