

GF10A Series

PCB-to-FFC/FPC Connector

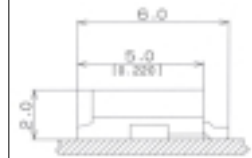
General

- GF10A Series Connector is 1.0mm Pitch, PCB to FFC/FPC connector of SMT Type having excellent electrical reliance.
- GF10A Series Connector has 2.0mm Height and 5.0mm width capable of high density installation for various small sets.
- GF10A Series Connector can be used for internal circuit connector of Computer application equipments such as Note-PC, CD-ROM and DVD or small electric home appliances.

Features

- Stable 2-Point Contact Structure
The connector features a 2-point contact structure offering excellent contact reliability from external impact or vibration.
- Emboss Packing for Automatic Installation
Emboss Carrier Tape is packed for full automatic SMT installation.
- High Temperature Resistant Material
Insulator is made from Nylon46 which has low heat transformation so it is capable of maintaining stable contact on high temperature SMT installation
- Stable PCB Installation
Hold-Down is added on the left and right sides to stabilize the device from external impact or vibration.

Mating With



Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Socket Contact	Copper Alloy	SnPb Plating
Hold Down	Copper Alloy	Tin Plating

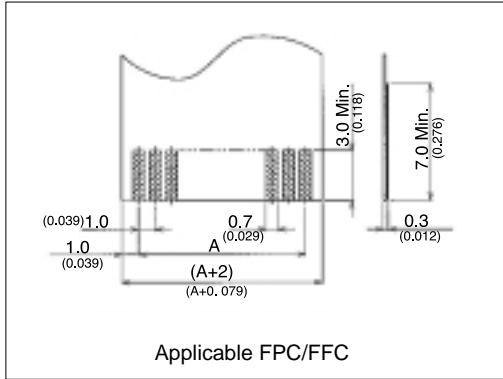
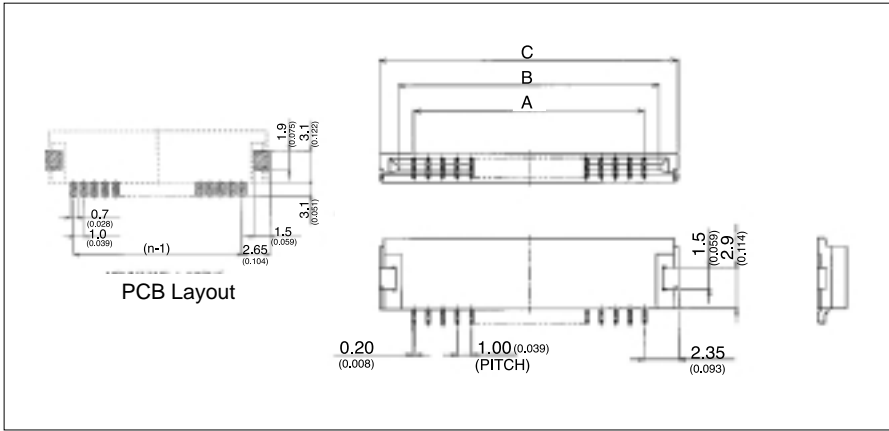
Specifications

No. of Contacts	4~30
Contact Spacing	1.0mm(0.039")
Current Rating	1.0Amps
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 500Vr.m.s(for one minute)
Insulation Resistance	100 M Ω
Contact Resistance	20 m Ω
Operating Temp.	-40 $^{\circ}$ C ~ +85 $^{\circ}$ C
Applicable FPC/FFC	t=0.3 \pm 0.05mm

Ordering Information

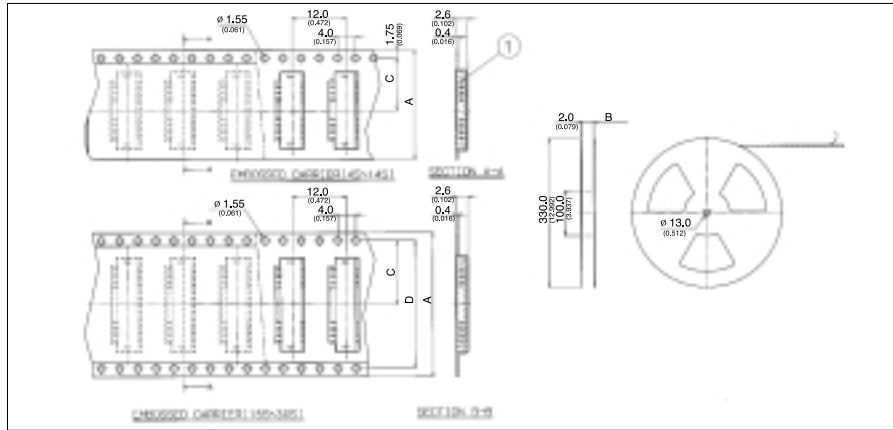
GF10A	- 6	S	- S	S	- *
Series	No. of Contacts	Contact Type S:Socket Housing	Terminal Style S:SMT Type	Array S:Single Row	Modification Code

Angle Socket & Embossed Tape Assembly (2 Point Contact Type)



No. of Pin	Part Number	A ^{±0.2}	B ^{±0.2}	C ^{±0.3}
4	GF10A - 4S - SS	3.0 (0.118)	5.1 (0.201)	7.7 (0.303)
5	GF10A - 5S - SS	4.0 (0.157)	6.1 (0.240)	8.7 (0.343)
6	GF10A - 6S - SS	5.0 (0.197)	7.1 (0.280)	9.7 (0.382)
7	GF10A - 7S - SS	6.0 (0.236)	8.1 (0.319)	10.7 (0.421)
8	GF10A - 8S - SS	7.0 (0.276)	9.1 (0.358)	11.7 (0.461)
9	GF10A - 9S - SS	8.0 (0.315)	10.1 (0.398)	12.7 (0.500)
10	GF10A - 10S - SS	9.0 (0.354)	11.1 (0.437)	13.7 (0.539)
11	GF10A - 11S - SS	10.0 (0.394)	12.1 (0.476)	14.7 (0.579)
12	GF10A - 12S - SS	11.0 (0.433)	13.1 (0.516)	15.7 (0.618)
13	GF10A - 13S - SS	12.0 (0.472)	14.1 (0.555)	16.7 (0.657)
14	GF10A - 14S - SS	13.0 (0.512)	15.1 (0.594)	17.7 (0.697)
15	GF10A - 15S - SS	14.0 (0.551)	16.1 (0.634)	18.7 (0.736)
16	GF10A - 16S - SS	15.0 (0.591)	17.1 (0.673)	19.7 (0.776)
17	GF10A - 17S - SS	16.0 (0.630)	18.1 (0.713)	20.7 (0.815)
18	GF10A - 18S - SS	17.0 (0.669)	19.1 (0.752)	21.7 (0.854)
19	GF10A - 19S - SS	18.0 (0.709)	20.1 (0.791)	22.7 (0.894)
20	GF10A - 20S - SS	19.0 (0.748)	21.1 (0.831)	23.7 (0.933)
21	GF10A - 21S - SS	20.0 (0.787)	22.1 (0.870)	24.7 (0.972)
22	GF10A - 22S - SS	21.0 (0.827)	23.1 (0.909)	25.7 (1.012)
23	GF10A - 23S - SS	22.0 (0.866)	24.1 (0.949)	26.7 (1.051)
24	GF10A - 24S - SS	23.0 (0.906)	25.1 (0.988)	27.7 (1.091)
25	GF10A - 25S - SS	24.0 (0.945)	26.1 (1.028)	28.7 (1.130)
26	GF10A - 26S - SS	25.0 (0.984)	27.1 (1.067)	29.7 (1.169)
27	GF10A - 27S - SS	26.0 (1.024)	28.1 (1.106)	30.7 (1.209)
28	GF10A - 28S - SS	27.0 (1.063)	29.1 (1.146)	31.7 (1.248)
29	GF10A - 29S - SS	28.0 (1.102)	30.1 (1.185)	32.7 (1.287)
30	GF10A - 30S - SS	29.0 (1.142)	31.1 (1.224)	33.7 (1.327)

Embossed Tape Assembly



PCB-to-FFC/FPC

No. of Pin	Part Number	A	B	C	D
4	GF10A - 4S - SS - # 1000	16.0 (0.630)	18.0 (0.709)	7.5 (0.295)	
5	GF10A - 5S - SS - # 1000				
6	GF10A - 6S - SS - # 1000				
7	GF10A - 7S - SS - # 1000	24.0 (0.945)	26.0 (1.024)	11.5 (0.453)	
8	GF10A - 8S - SS - # 1000				
9	GF10A - 9S - SS - # 1000				
10	GF10A - 10S - SS - # 1000				
11	GF10A - 11S - SS - # 1000				
12	GF10A - 12S - SS - # 1000				
13	GF10A - 13S - SS - # 1000				
14	GF10A - 14S - SS - # 1000				
15	GF10A - 15S - SS - # 1000	32.0 (1.260)	34.0 (1.339)	14.2 (0.559)	28.4 (1.118)
16	GF10A - 16S - SS - # 1000				
17	GF10A - 17S - SS - # 1000				
18	GF10A - 18S - SS - # 1000				
19	GF10A - 19S - SS - # 1000	44.0 (1.732)	46.0 (1.811)	20.2 (0.795)	40.4 (1.591)
20	GF10A - 20S - SS - # 1000				
21	GF10A - 21S - SS - # 1000				
22	GF10A - 22S - SS - # 1000				
23	GF10A - 23S - SS - # 1000				
24	GF10A - 24S - SS - # 1000				
25	GF10A - 25S - SS - # 1000				
26	GF10A - 26S - SS - # 1000				
27	GF10A - 27S - SS - # 1000				
28	GF10A - 28S - SS - # 1000				
29	GF10A - 29S - SS - # 1000				
30	GF10A - 30S - SS - # 1000				