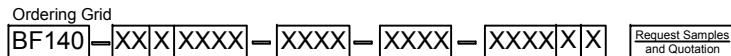
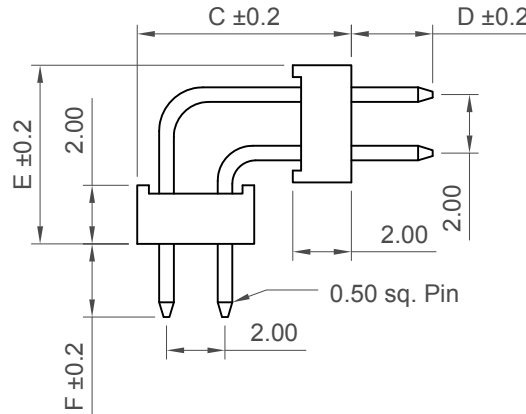
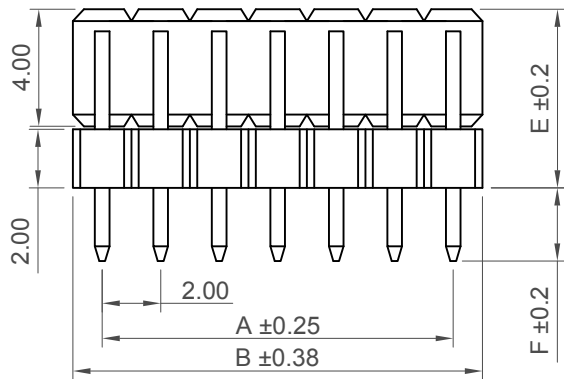


Recommended PCB Layout



No. of Contacts
04 to 80

Contact Plating

- A = Gold Flash All Over (Standard)
- B = Selective Gold Flash Contact Area/ Tin On Tail
- C = Tin All Over
- G = 10µ" Gold Contact Area/Tin On Tail
- I = 30µ" Gold Contact Area/Tin On Tail

Dimension C (1/100mm) (Insulator to Insulator)
6.10mm = 0610 (Standard)
 Or specify Dimension C
 e.g. 2.50mm = 0250
 (Maximum 1000 = 10.00mm)
 (Minimum 0600 = 6.00mm)

Dimension D (1/100mm) (Post Height)
4.40mm = 0440 (Standard)
 Or specify Dimension D e.g. 2.50mm = 0250
 (Maximum 1000 = 10.00mm)
 (Minimum 0100 = 1.00mm)

Packing Options

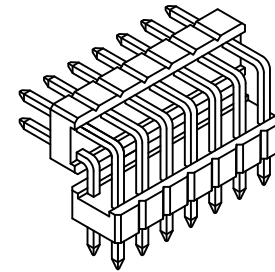
- G = Plastic Box (Standard)
- D = Tube
- E = Tube with Cap

Insulator Material

- N = Nylon 6T (Standard)
- P = PBT
- L = LCP

Dimension F (1/100mm) (Tail Length)
3.00mm = 0300 (Standard)
 Or specify Dimension F
 e.g. 2.50mm = 0250
 (Maximum 1000 = 10.00mm)
 (Minimum 0100 = 1.00mm)

Dimension E (1/100mm) (Stack Height)
6.10mm = 0610 (Standard)
 Or specify Dimension E
 e.g. 2.50mm = 0250
 (Maximum 1000 = 10.00mm)
 (Minimum 0600 = 6.00mm)



Specifications

Material

- Contact: Copper Alloy
- Insulator:
- Standard: Polyamide, Nylon 6T, UL 94-V0
- Options: Polymer, LCP, UL 94-V0
- Options: Polyester, PBT, UL 94-V0

Plating

See Ordering Grid

Electrical

- Current Rating: 2 Amp Per Pin
- Insulation Resistance: 1000 MΩ min
- Contact Resistance: 20 mΩ max.
- Dielectric Withstand Voltage: AC 500 V

Mechanical & Environmental

Operating Temperature: -40°C to +105°C

Soldering Process:

- Nylon 6T (Standard) -
- IR Reflow: 260°C for 10 sec.
- Wave: 230°C for 5-10 sec
- Manual Solder: 350°C for 3-5 sec
- LCP (Option) -
- IR Reflow: 260°C for 10 sec.
- Wave: 250°C for 5-10 sec
- Manual Solder: 350°C for 3-5 sec
- PBT (Option) -
- Manual Solder: 330°C for 3-5 sec
- (Not Suitable for High Temperature Process)

Mates with (Subject to pin length)

- BF065 BF080 BF095 BF100
- BF110 BF115 BF120 BF185

No. of Contacts	Dimensions	
	A	B
4	2.0	4.0
6	4.0	6.0
8	6.0	8.0
10	8.0	10.0
12	10.0	12.0
14	12.0	14.0
16	14.0	16.0
18	16.0	18.0
20	18.0	20.0
22	20.0	22.0
24	22.0	24.0
26	24.0	26.0
28	26.0	28.0
30	28.0	30.0
32	30.0	32.0
34	32.0	34.0
36	34.0	36.0
38	36.0	38.0
40	38.0	40.0
42	40.0	42.0
44	42.0	44.0
46	44.0	46.0
48	46.0	48.0
50	48.0	50.0
52	50.0	52.0
54	52.0	54.0
56	54.0	56.0
58	56.0	58.0
60	58.0	60.0
62	60.0	62.0
64	62.0	64.0
66	64.0	66.0
68	66.0	68.0
70	68.0	70.0
72	70.0	72.0
74	72.0	74.0
76	74.0	76.0
78	76.0	78.0
80	78.0	80.0

Part Number		Product Description	
BF140		2.0mm Pitch Elevated Pin Header, Dual Row, Through Hole, Horizontal	
Drawing Date		31st October 2007	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BF140 E PCN	Length X ± 0.30 E PCN XX ± 0.20	Metric (mm)
Revision	E3	Angle X.X° ± 5° X.XX° ± 2°	
Date	30/07/18	X.XXX ± 0.15 X.XXX* ± 1° X.XXX* ± 0.10 X.XXX* ± 0.5°	
		This drawing is confidential and copyright of Global Connector Technology Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	

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Not to Scale Drawn By LYH Sheet No. 1/1