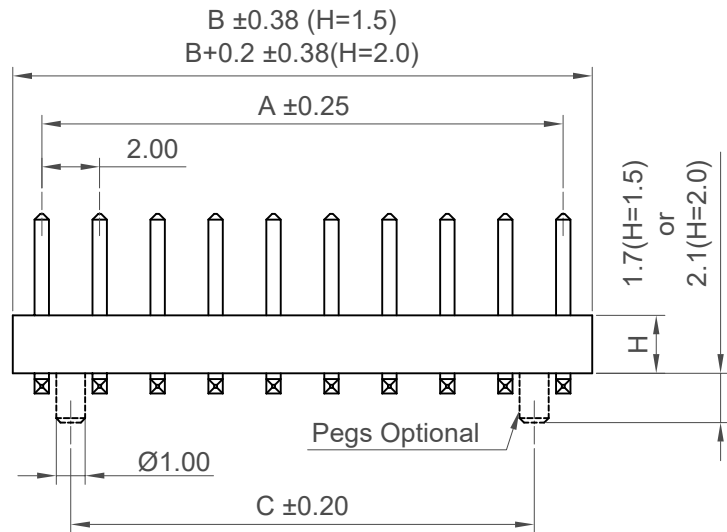
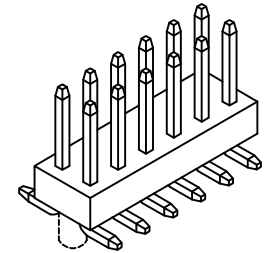
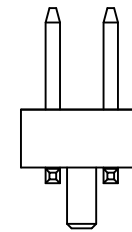
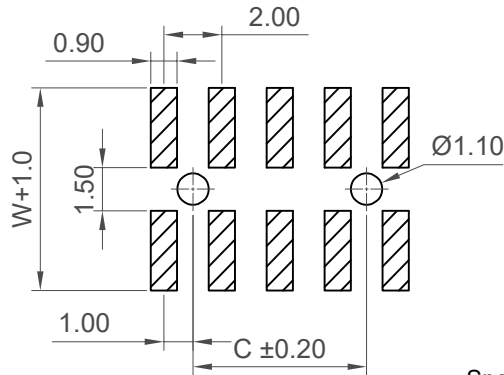
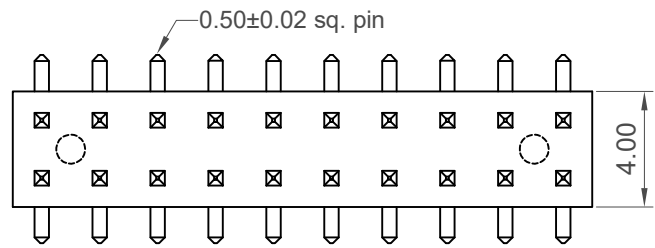
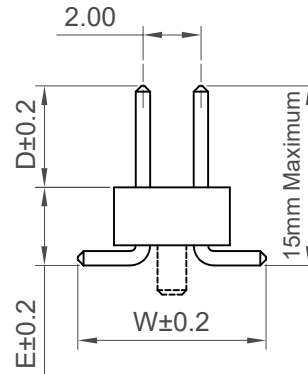


H
G
F
E
D
C
B
A



Recommended P.C.B Layout

☒ Solder Area



Single peg for 4 contacts only

Specifications

Material

Contact: Copper Alloy
Insulator:
Standard: Polymer, LCP, UL 94-V0
Option: Polyamide, High Temperature Nylon, 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: 500V AC

Mechanical & Environmental

Operating Temperature:
-40°C to +125°C (LCP)
-40°C to +105°C (High Temperature Nylon)

Soldering Process
(High Temperature Nylon & LCP)
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec.

Mates with (Subject to pin length)

BF065 BF075 BF080 BF095
BF100 BF105 BF110 BF112
BF115 BF120 BF185

Number of Contacts	Dimensions		
	A	B	C
4	2.0	4.0	N/A
6	4.0	6.0	2.0
8	6.0	8.0	4.0
10	8.0	10.0	6.0
12	10.0	12.0	8.0
14	12.0	14.0	10.0
16	14.0	16.0	12.0
18	16.0	18.0	14.0
20	18.0	20.0	16.0
22	20.0	22.0	18.0
24	22.0	24.0	20.0
26	24.0	26.0	22.0
28	26.0	28.0	24.0
30	28.0	30.0	26.0
32	30.0	32.0	28.0
34	32.0	34.0	30.0
36	34.0	36.0	32.0
38	36.0	38.0	34.0
40	38.0	40.0	36.0
42	40.0	42.0	38.0
44	42.0	44.0	40.0
46	44.0	46.0	42.0
48	46.0	48.0	44.0
50	48.0	50.0	46.0

Ordering Grid

BF030-XX-X-XXXX-XXXX-XXXX-XX

No. of Contacts: 04 to 50

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

Insulator Height 'H':
B = 2.00mm (Standard)
A = 1.50mm

Locating Peg:
0 = Without
1 = With

Dimension D (1/100mm) (Post Height):
0200 = 2.00mm (Standard)
0400 = 4.00mm (Standard)
0600 = 6.00mm (Standard)
Or specify custom Post Height eg. 0250 = 2.50mm (Maximum 0800 = 8.00mm) (Minimum 0100 = 1.00mm)

Packing Options:
B = Tape & Reel with Cap (Standard)
D = Tube
E = Tube with Cap

Insulator Material:
L = LCP (Standard)
N = High Temperature Nylon

Dimension W (1/100mm) (Footprint Width):
0600 = 6.00mm (Standard where 'H' = 2.00mm)
0550 = 5.50mm (Standard where 'H' = 1.50mm)
Or specify custom Footprint Width eg. 0550 = 5.50mm (Tooling charge may apply)

Dimension E (1/100mm) (PCB to Top of Insulator):
0277 = 2.77mm (Standard where 'H' = 2.00mm)
0220 = 2.20mm (Standard where 'H' = 1.50mm)
Or specify custom Dimension E eg. 0250 = 2.50mm (Minimum 0260 = 2.60mm where 'H' = 2.00mm) (Minimum 0210 = 2.10mm where 'H' = 1.50mm)

Request Samples and Quotation

Part Number		Product Description	
BF030		2.0mm Pitch Pin Header, Dual Row, Surface Mount	
Drawing Date		26th October 2007	
By	MW	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BF030 D PCN	Length: X ± 0.30 Angle: X.X ± 2°	 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
Revision	D8	X.XX ± 0.20 X.XX ± 1°	
Date	31/12/25	X.XXX ± 0.10 X.XXX ± 0.5°	
Not to Scale		Drawn By LYH	Sheet No. 1/1

