

Recommended PCB Layout

Solder Area

Contacts	Dimensions	
	A	B
4	2.0	4.20
6	4.0	6.20
8	6.0	8.20
10	8.0	10.20
12	10.0	12.20
14	12.0	14.20
16	14.0	16.20
18	16.0	18.20
20	18.0	20.20
22	20.0	22.20
24	22.0	24.20
26	24.0	26.20
28	26.0	28.20
30	28.0	30.20
32	30.0	32.20
34	32.0	34.20
36	34.0	36.20
38	36.0	38.20
40	38.0	40.20
42	40.0	42.20
44	42.0	44.20
46	44.0	46.20
48	46.0	48.20
50	48.0	50.20

Specifications

Material

Contact: Copper Alloy

Insulator:

Standard: Polyamide, High Temperature Nylon, UL 94V-0

Option: Polymer, LCP, UL 94V-0

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

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 BF080 BF095 BF100

BF115 BF120 BF185

Perfect Planar Mating with

BF110 BF112

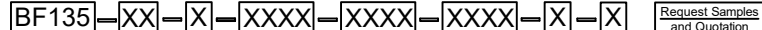
Mechanical & Environmental

Operating Temperature:

-40°C to +125°C(LCP)

-40°C to +105°C(High Temperature Nylon)

Ordering Grid



No. of Contacts
04 to 50

Packing Options

B = Tape and Reel with Cap (Standard)

C = Tape and Reel with Film

D = Tube

E = Tube with Cap

Insulator Material

N = High Temperature Nylon (Standard)

L = LCP

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) (Post Length)

0400 = 4.00mm (Standard)

Or specify Dimension C

eg 0250 = 2.50mm

(Maximum 1000 = 10.00mm)

(Minimum 0200 = 2.00mm)

Dimension D (1/100mm)

(Insulator to End of Pin)

0700 = 7.00mm (Standard-Maximum)

Or specify Dimension D

eg 0250 = 2.50mm

(Minimum 0550 = 5.50mm)

Dimension E (1/100mm)

(Pin Curve to End of Pin)

0400 = 4.00mm (Standard-Maximum)

Or specify Dimension E

eg 0250 = 2.50mm (Minimum)

(Dimension E should be equivalent to dim D minus 3.00mm)

Part Number		Product Description		 www.gct.co	
BF135		2.00mm Pitch Pin Header, Dual Row, Surface Mount, Horizontal			
Drawing Date		31st October 2007		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	
By		MW			
Detail		BF135 F PCN		Halogen Free	
Revision		F6			
Date		06/01/26		 3rd Angle Projection	
Tolerances (Except as Noted)		Length: X. ± 0.30 Angle: X.° ± 5° X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10			
Units:		Metric (mm)		Not to Scale	
Date		06/01/26		Drawn By LYH	
Sheet No.		1/1		Sheet No. 1/1	

H
G
F
E
D
C
B
A

1 2 3 4 5 6 7 8