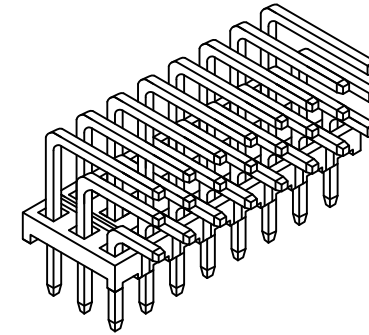
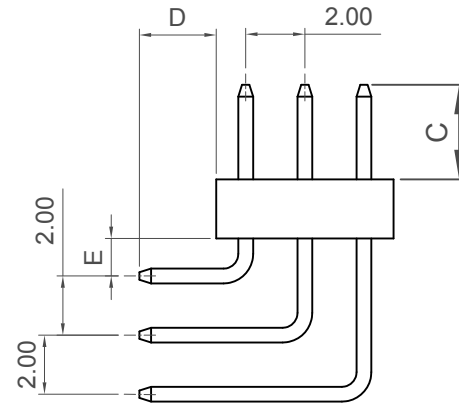
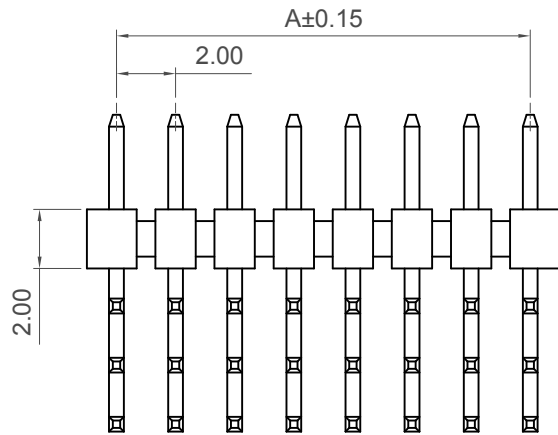


Recommended PCB Layout



| No. of Contacts | Dimensions | |
|-----------------|------------|-------|
| | A | B |
| 6 | 2.00 | 4.00 |
| 9 | 4.00 | 6.00 |
| 12 | 6.00 | 8.00 |
| 15 | 8.00 | 10.00 |
| 18 | 10.00 | 12.00 |
| 21 | 12.00 | 14.00 |
| 24 | 14.00 | 16.00 |
| 27 | 16.00 | 18.00 |
| 30 | 18.00 | 20.00 |
| 33 | 20.00 | 22.00 |
| 36 | 22.00 | 24.00 |
| 39 | 24.00 | 26.00 |
| 42 | 26.00 | 28.00 |
| 45 | 28.00 | 30.00 |
| 48 | 30.00 | 32.00 |
| 51 | 32.00 | 34.00 |
| 54 | 34.00 | 36.00 |
| 57 | 36.00 | 38.00 |
| 60 | 38.00 | 40.00 |
| 63 | 40.00 | 42.00 |
| 66 | 42.00 | 44.00 |
| 69 | 44.00 | 46.00 |
| 72 | 46.00 | 48.00 |
| 75 | 48.00 | 50.00 |
| 78 | 50.00 | 52.00 |
| 81 | 52.00 | 54.00 |
| 84 | 54.00 | 56.00 |
| 87 | 56.00 | 58.00 |
| 90 | 58.00 | 60.00 |
| 93 | 60.00 | 62.00 |
| 96 | 62.00 | 64.00 |
| 99 | 64.00 | 66.00 |
| 102 | 66.00 | 68.00 |
| 105 | 68.00 | 70.00 |
| 108 | 70.00 | 72.00 |
| 111 | 72.00 | 74.00 |
| 114 | 74.00 | 76.00 |
| 117 | 76.00 | 78.00 |
| 120 | 78.00 | 80.00 |



Specifications

Material

Contact: Phosphor Bronze
Insulator: Polymer, LCP, 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

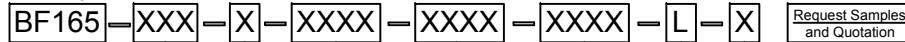
Soldering Process:

IR Reflow: 260°C for 10 sec.
Wave: 250°C for 5-10 sec
Manual Solder: 350°C for 3-5 sec

Mates with (Subject to pin length)

BF155 BF160

Ordering Grid



No. of Contacts
06 to 120

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 Height)
0320 = 3.20mm (Standard)
Or specify Dimension C
e.g. 2.50mm = 0250 TOL.: ±0.2mm
(Maximum 1000 = 10.00mm)
(Minimum 0100 = 1.00mm)

Dimension D (1/100mm)
(Edge of Insulator to Pin End)
0260 = 2.60mm (Standard)
Or specify Dimension D
e.g. 2.50mm = 0250
TOL.: ±0.2mm
(Maximum 0500 = 5.00mm)
(Minimum 0100 = 1.00mm)

Dimension E (1/100mm)
(Bottom of Insulator to Pin Centre)
0127 = 1.27mm (Standard)
Or specify Dimension E
e.g. 2.50mm = 0250
TOL.: ±0.2mm
(Maximum 0400 = 4.00mm)
(Minimum 0050 = 0.50mm)

Packing Options
G = Plastic Box (Standard)
D = Tube
Insulator Material
L = LCP (Standard)

| | | | |
|---|-----------------|--|---|
| Part Number BF165 | | Product Description 2.0mm Pitch Pin Header, Triple Row, Through Hole, Horizontal | |
| Drawing Date 8th April 2007 | | | |
| By | CC | Tolerances (Except as Noted) | Units: Metric (mm) |
| Detail | Drawing Release | Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.10 | Angle X.° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1° |
| Revision | A1 | 3rd Angle Projection | |
| Date | 28/09/17 | | |
| <p>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</p> | | | |



| | | |
|--------------|----------------|------------------|
| Not to Scale | Drawn By RD | Sheet No. 1/1 |
|--------------|----------------|------------------|