

**Specifications**

**Material**

Insulator Material  
Polyamide, Nylon 6T, UL 94V-0  
Contact Terminal: Copper Alloy

**Plating**

See Ordering Grid

**Electrical**

Current Rating: 1A per pin  
Contact Resistance: 20 mΩ max.  
Insulating Resistance: 1000 MΩ min.  
Dielectric Withstand Voltage: 300V AC

**Soldering Process:**

IR Reflow: 260°C for 10 sec.  
Wave: 230°C for 5-10 sec  
Manual Solder: 350°C for 3-5 sec

**Mechanical & Environmental**

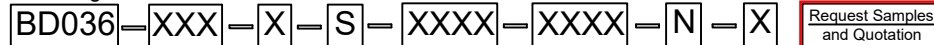
Operating Temperature: -40°C to +105°C

**Mates with (Subject to pin length)**

BD065 - Allowing perfect polarisation  
Non-Polarised mating connections available  
contact GCT for details

| No. of Contacts | Dimensions |       |       |
|-----------------|------------|-------|-------|
|                 | A          | B     | C     |
| 10              | 5.08       | 9.55  | 6.95  |
| 12              | 6.35       | 10.82 | 8.22  |
| 14              | 7.62       | 12.09 | 9.49  |
| 16              | 8.89       | 13.36 | 10.76 |
| 18              | 10.16      | 14.63 | 12.03 |
| 20              | 11.43      | 15.90 | 13.30 |
| 22              | 12.70      | 17.17 | 14.57 |
| 24              | 13.97      | 18.44 | 15.84 |
| 26              | 15.24      | 19.71 | 17.11 |
| 28              | 16.51      | 20.98 | 18.38 |
| 30              | 17.78      | 22.25 | 19.65 |
| 32              | 19.05      | 23.52 | 20.92 |
| 34              | 20.32      | 24.79 | 22.19 |
| 36              | 21.59      | 26.06 | 23.46 |
| 38              | 22.86      | 27.33 | 24.73 |
| 40              | 24.13      | 28.60 | 26.00 |
| 42              | 25.40      | 29.87 | 27.27 |
| 44              | 26.67      | 31.14 | 28.54 |
| 46              | 27.94      | 32.41 | 29.81 |
| 48              | 29.21      | 33.68 | 31.08 |
| 50              | 30.48      | 34.95 | 32.35 |
| 52              | 31.75      | 36.22 | 33.62 |
| 54              | 33.02      | 37.49 | 34.89 |
| 56              | 34.29      | 38.76 | 36.16 |
| 58              | 35.56      | 40.03 | 37.43 |
| 60              | 36.83      | 41.30 | 38.70 |
| 62              | 38.10      | 42.57 | 39.97 |
| 64              | 39.37      | 43.84 | 41.24 |
| 66              | 40.64      | 45.11 | 42.51 |
| 68              | 41.91      | 46.38 | 43.78 |
| 70              | 43.18      | 47.65 | 45.05 |
| 72              | 44.45      | 48.92 | 46.32 |
| 74              | 45.72      | 50.19 | 47.59 |
| 76              | 46.99      | 51.46 | 48.86 |
| 78              | 48.26      | 52.73 | 50.13 |
| 80              | 49.53      | 54.00 | 51.40 |
| 82              | 50.80      | 55.27 | 52.67 |
| 84              | 52.07      | 56.54 | 53.94 |
| 86              | 53.34      | 57.81 | 55.21 |
| 88              | 54.61      | 59.08 | 56.48 |
| 90              | 55.88      | 60.35 | 57.75 |
| 92              | 57.15      | 61.62 | 59.02 |
| 94              | 58.42      | 62.89 | 60.29 |
| 96              | 59.69      | 64.16 | 61.56 |
| 98              | 60.96      | 65.43 | 62.83 |
| 100             | 62.23      | 66.70 | 64.10 |
| 102             | 63.50      | 67.97 | 65.37 |
| 104             | 64.77      | 69.24 | 66.64 |
| 106             | 66.04      | 70.51 | 67.91 |
| 108             | 67.31      | 71.78 | 69.18 |
| 110             | 68.58      | 73.05 | 70.45 |
| 112             | 69.85      | 74.32 | 71.72 |
| 114             | 71.12      | 75.59 | 72.99 |
| 116             | 72.39      | 76.86 | 74.26 |
| 118             | 73.66      | 78.13 | 75.53 |
| 120             | 74.93      | 79.40 | 76.80 |

**Ordering Grid**



No. of Contacts  
10 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**

Insulator Height 'H'  
**S = 5.70mm (Standard)**

Dimension D (1/100mm) (Tail Length)  
**0210 = 2.10mm (Standard)**  
or specify Dimension D eg 0250 = 2.50mm  
(Maximum 0500=5.00mm)  
(Minimum 0100=1.00mm)

**Packing Options**

**D = Tube (Standard)**  
**E = Tube with Cap**

**Insulator Material**

**N = Nylon 6T (Standard)**

Dimension E (1/100mm)  
(Top of Insulator to Edge of Pin)  
**0770 = 7.70mm (Standard)**  
or specify Dimension E  
eg 0250 = 2.50mm  
(Maximum 1100=11.00mm)  
(Minimum 0750=7.50mm)

|              |                |   |  |
|--------------|----------------|---|--|
| Part Number  |                | Product Description   |  |
| BD036        |                | 1.27mm Pitch Shrouded Pin Header,<br>Dual Row, Through-Hole, Horizontal |  |
| Drawing Date |                | 3rd April 2008  |  |
| By           | KY             | Tolerances (Except as Noted)  | Units:<br>Metric (mm)                                      |
| Detail       | BD036<br>C PCN | Length<br>X. ± 0.30<br>X.X ± 0.25<br>X.XX ± 0.15<br>X.XXX ± 0.10        | Angle<br>X° ± 5°<br>X.X° ± 3°<br>X.XX° ± 2°<br>X.XXX° ± 1° |
| Revision     | C2             | 3rd Angle Projection  |  |
| Date         | 25/07/24       |   |  |

**GCT**  
www.gct.co

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

|              |                |                  |
|--------------|----------------|------------------|
| Not to Scale | Drawn By<br>AE | Sheet No.<br>1/1 |
|--------------|----------------|------------------|