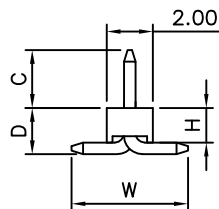
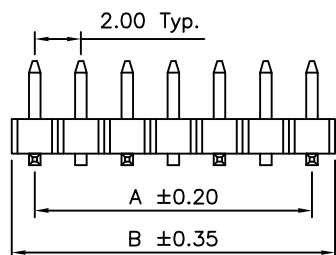


### RECOMMENDED PCB LAYOUT



### SPECIFICATIONS 规格

CURRENT RATING 电流额定值: 2.0 AMP

INSULATION RESISTANCE 绝缘电阻值: 1000MOHMS MIN.

CONTACT RESISTANCE 接触电阻值: 20mOHMS MAX.

DIELECTRIC WITHSTANDING 耐电压: 500V AC

OPERATING TEMPERATURE 工作温度: -40°C TO +105°C

CONTACT MATERIAL 端子物料: COPPER ALLOY

INSULATOR MATERIAL 绝缘体物料:

STANDARD 标准物料: POLYAMIDE 聚酰胺, NYLON 6T, UL 94-V0

OPTIONS 可选物料: POLYESTER 聚酯, LCP, UL 94-V0

SOLDERING PROCESS 可焊性:

NYLON 6T (STANDARD标准物料) -

IR REFLOW 回流焊: 260°C for 10 sec.

WAVE 波峰焊: 230°C for 5-10 sec.

MANUAL SOLDER 人工焊接: 350°C for 3-5 sec

LCP (OPTION 可选物料) -

IR REFLOW 回流焊: 260°C for 10 sec.

WAVE 波峰焊: 250°C for 5-10 sec.

MANUAL SOLDER 人工焊接: 350°C for 3-5 sec.

MATES WITH 配套之母座 (SUBJECT TO PIN LENGTH 在端子长度适合的条件下):

BF070 BF085 BF086 BF091 BF090

No. of Contacts  
03 to 40

Contact Plating

A = Gold Flash All Over

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

Standard = Gold Flash All Over

Insulator  
Height 'H'  
A = 1.50mm  
B = 2.00mm  
Standard = 2.00mm

Type  
1 = Type B1  
2 = Type B2

Dimension C (1/100mm)  
(Post Height)  
Standard - 4.00mm = 0400  
Standard - 6.00mm = 0600  
Or specify Dimension C  
e.g. 2.50mm = 0250  
TOL +/- 0.2mm

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

Insulator Material  
N = Nylon 6T  
L = LCP (Standard)

Dimension W (1/100mm)  
(Footprint Width)  
Standard - 4.83mm = 0483  
Standard - 5.00mm = 0500  
Or specify Dimension W  
e.g. 2.50mm = 0250  
TOL +/- 0.2mm

Dimension D (1/100mm)  
(PCB to Top of Insulator)  
Standard - 2.60mm = 0260 ('H' = 2.0mm)  
Standard - 2.10mm = 0210 ('H' = 1.5mm)  
Or specify Dimension D  
e.g. 2.50mm = 0250  
TOL +/- 0.2mm

| CONTACTS | DIMENSIONS |      |
|----------|------------|------|
|          | A          | B    |
| 3        | 4.0        | 6.0  |
| 4        | 6.0        | 8.0  |
| 5        | 8.0        | 10.0 |
| 6        | 10.0       | 12.0 |
| 7        | 12.0       | 14.0 |
| 8        | 14.0       | 16.0 |
| 9        | 16.0       | 18.0 |
| 10       | 18.0       | 20.0 |
| 11       | 20.0       | 22.0 |
| 12       | 22.0       | 24.0 |
| 13       | 24.0       | 26.0 |
| 14       | 26.0       | 28.0 |
| 15       | 28.0       | 30.0 |
| 16       | 30.0       | 32.0 |
| 17       | 32.0       | 34.0 |
| 18       | 34.0       | 36.0 |
| 19       | 36.0       | 38.0 |
| 20       | 38.0       | 40.0 |
| 21       | 40.0       | 42.0 |
| 22       | 42.0       | 44.0 |
| 23       | 44.0       | 46.0 |
| 24       | 46.0       | 48.0 |
| 25       | 48.0       | 50.0 |
| 26       | 50.0       | 52.0 |
| 27       | 52.0       | 54.0 |
| 28       | 54.0       | 56.0 |
| 29       | 56.0       | 58.0 |
| 30       | 58.0       | 60.0 |
| 31       | 60.0       | 62.0 |
| 32       | 62.0       | 64.0 |
| 33       | 64.0       | 66.0 |
| 34       | 66.0       | 68.0 |
| 35       | 68.0       | 70.0 |
| 36       | 70.0       | 72.0 |
| 37       | 72.0       | 74.0 |
| 38       | 74.0       | 76.0 |
| 39       | 76.0       | 78.0 |
| 40       | 78.0       | 80.0 |

Ordering Grid

BF040-XX-X-XXXX-XXXX-XXXX-XX

REQUEST SAMPLES AND QUOTATION

| By     | LYH                | PN                                               | DR                                    | SA                                  |
|--------|--------------------|--------------------------------------------------|---------------------------------------|-------------------------------------|
| DETAIL | DRAWING<br>RELEASE | TOLERANCES AMENDED<br>PACKING OPTIONS<br>CHANGED | CHANGE TO SOLDER<br>TEMP. INFORMATION | AMENDMENT TO<br>STANDARD DIMENSIONS |
| REV    | A                  | B                                                | C                                     | D                                   |
| DATE   | 31/10/07           | 30/04/09                                         | 30/07/09                              | 08/12/09                            |



| Tolerances<br>(Except as noted) | Part Number:-                                                                               | Date:-    |
|---------------------------------|---------------------------------------------------------------------------------------------|-----------|
| Dimensions in mm                | BF040                                                                                       | 31 OCT 07 |
| X.X ± 0.38                      | Description:-                                                                               |           |
| X.XX ± 0.25                     | 2.0mm PITCH PIN HEADER, SINGLE ROW,<br>SURFACE MOUNT                                        |           |
| X.XXX ± 0.13                    |                                                                                             |           |
| .XXX ± 0.5°                     |                                                                                             |           |
| Third Angle Projection          | THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE<br>COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT |           |

| Scale | Revision | Material | Drawn by | Sheet No. |
|-------|----------|----------|----------|-----------|
| NTS   | D        | See Note | LYH      | 1/1       |

# GCT

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