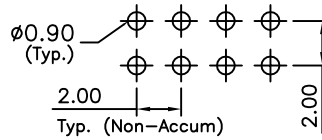
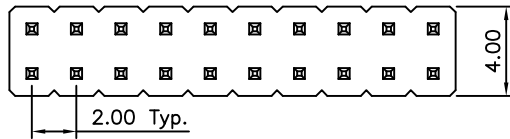
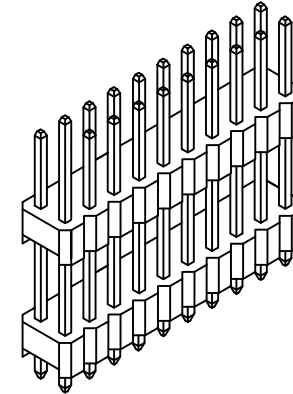
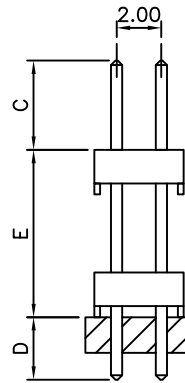
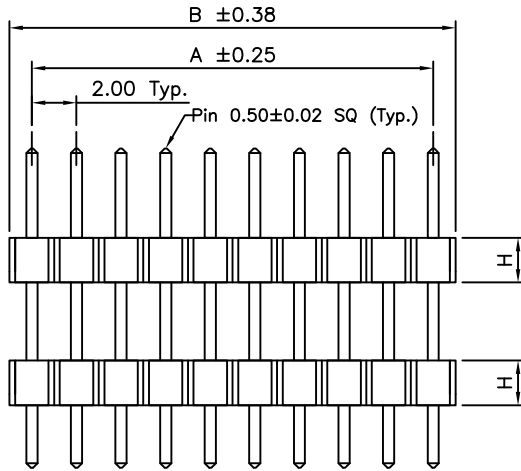


Global Connector Technology Ltd. - BF055: 2.0mm PITCH ELEVATED PIN HEADER, DUAL ROW, THROUGH HOLE, VERTICAL



RECOMMENDED PCB LAYOUT



| CONTACTS | DIMENSIONS |      |
|----------|------------|------|
|          | A          | B    |
| 4        | 2.0        | 4.0  |
| 6        | 4.0        | 6.0  |
| 8        | 6.0        | 8.0  |
| 10       | 8.0        | 10.0 |
| 12       | 10.0       | 12.0 |
| 14       | 12.0       | 14.0 |
| 16       | 14.0       | 16.0 |
| 18       | 16.0       | 18.0 |
| 20       | 18.0       | 20.0 |
| 22       | 20.0       | 22.0 |
| 24       | 22.0       | 24.0 |
| 26       | 24.0       | 26.0 |
| 28       | 26.0       | 28.0 |
| 30       | 28.0       | 30.0 |
| 32       | 30.0       | 32.0 |
| 34       | 32.0       | 34.0 |
| 36       | 34.0       | 36.0 |
| 38       | 36.0       | 38.0 |
| 40       | 38.0       | 40.0 |
| 42       | 40.0       | 42.0 |
| 44       | 42.0       | 44.0 |
| 46       | 44.0       | 46.0 |
| 48       | 46.0       | 48.0 |
| 50       | 48.0       | 50.0 |
| 52       | 50.0       | 52.0 |
| 54       | 52.0       | 54.0 |
| 56       | 54.0       | 56.0 |
| 58       | 56.0       | 58.0 |
| 60       | 58.0       | 60.0 |
| 62       | 60.0       | 62.0 |
| 64       | 62.0       | 64.0 |
| 66       | 64.0       | 66.0 |
| 68       | 66.0       | 68.0 |
| 70       | 68.0       | 70.0 |
| 72       | 70.0       | 72.0 |
| 74       | 72.0       | 74.0 |
| 76       | 74.0       | 76.0 |
| 78       | 76.0       | 78.0 |
| 80       | 78.0       | 80.0 |

SPECIFICATIONS 规格

CURRENT RATING 电流额定值: 2 AMP  
 INSULATOR RESISTANCE 绝缘额定值: 1000 MEGOHMS MIN.  
 CONTACT RESISTANCE 接触电阻值: 20 mOHMS MAX  
 DIELECTRIC WITHSTANDING 耐电压: AC 500 V  
 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  
 OR POLYESTER 聚酯, PBT, UL94-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  
 PBT (OPTION 可选物料) - MANUAL SOLDER 人工焊接: 330°C for 3-5 sec.  
 (NOT SUITABLE FOR HI-TEMP PROCESS 不适合高温处理)  
 LCP (OPTION 可选物料) -  
 IR REFLOW 回流焊: 260°C for 10 sec.  $\Delta$   
 WAVE 波峰焊: 250°C for 5-10 sec.  
 MANUAL SOLDER 人工焊接: 350°C for 3-5 sec.  $\Delta$   
 MATES WITH 配套之母座 (SUBJECT TO PIN LENGTH 在端子长度适合的条件下):  
 BF065 BF075 BF080 BF095 BF100  
 BF105 BF115 BF120

Ordering Grid



No. of Contacts  
04 to 80

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**

Dimension C (1/100mm)  
(Post Height)

**Standard - 4.00mm = 0400**  
 Or specify Dimension C  
 e.g. 2.50mm = 0250  
 TOL +/- 0.2mm

Dimension D (1/100mm)  
(Tail Length)

**Standard - 2.80mm = 0280**  
 Or specify Dimension D  
 e.g. 2.50mm = 0250  
 TOL +/- 0.2mm

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

REQUEST SAMPLES AND QUOTATION

Packing Options  $\Delta$   
**G = Plastic Box (Standard)**  
 D = Tube  
 E = Tube with Cap

Dimension E (1/100mm)  
(Stack Height)  
**Standard - 12.00mm = 1200**  
 Minimum - 3.00mm = 0300  
 Or specify Dimension E  
 e.g. 5.00mm = 0500  
 TOL +/- 0.2mm

| By       | LYH             | CB                      | PN                          | DR                                 |
|----------|-----------------|-------------------------|-----------------------------|------------------------------------|
| DETAIL   | DRAWING RELEASE | PACKING OPTIONS CHANGED | CORRECTION TO ORDERING GRID | CHANGE TO SOLDER TEMP. INFORMATION |
| REV DATE | A<br>31/10/07   | B<br>27/04/09           | C<br>10/06/09               | D<br>30/07/09                      |



| Tolerances<br>(Except as noted) |             | Part Number:-  | Date:-        |
|---------------------------------|-------------|--|---------------|
| Dimensions in mm                |             | BF055  | 31 OCT 07     |
| X: ± 0.30                       | X*: ± 5°    | Description:-  |               |
| X.X ± 0.20                      | X* ± 2°     | 2.0mm PITCH ELEVATED PIN HEADER, DUAL ROW, THROUGH HOLE, VERTICAL                          |               |
| X.XX ± 0.15                     | XX* ± 1°    | © THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT |               |
| X.XXX ± 0.10                    | XXX* ± 0.5° | Scale NTS  | Revision D    |
| Third Angle Projection          |             | Material See Note  | Drawn by LYH  |
|                                 |             | E & OE   | Sheet No. 1/1 |



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