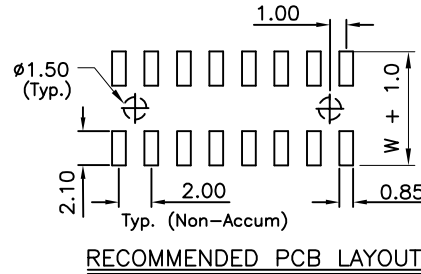
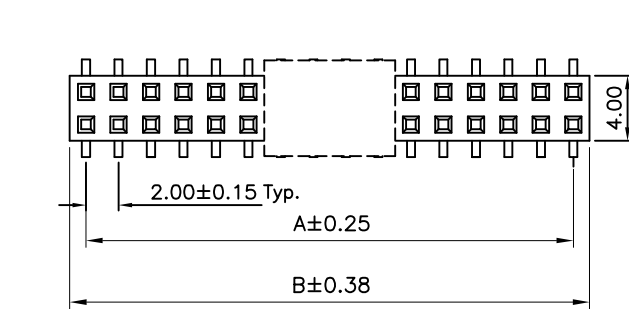
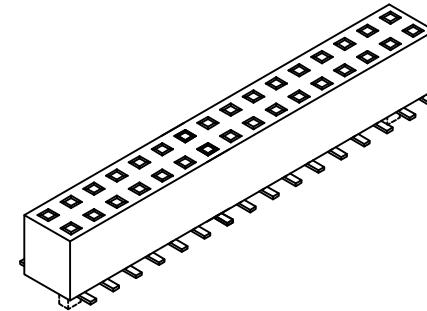




| CONTACTS | DIMENSIONS |      |      |
|----------|------------|------|------|
|          | A          | B    | C    |
| 6        | 4.0        | 6.6  | 2.0  |
| 8        | 6.0        | 8.6  | 4.0  |
| 10       | 8.0        | 10.6 | 6.0  |
| 12       | 10.0       | 12.6 | 8.0  |
| 14       | 12.0       | 14.6 | 10.0 |
| 16       | 14.0       | 16.6 | 12.0 |
| 18       | 16.0       | 18.6 | 14.0 |
| 20       | 18.0       | 20.6 | 16.0 |
| 22       | 20.0       | 22.6 | 18.0 |
| 24       | 22.0       | 24.6 | 20.0 |
| 26       | 24.0       | 26.6 | 22.0 |
| 28       | 26.0       | 28.6 | 24.0 |
| 30       | 28.0       | 30.6 | 26.0 |
| 32       | 30.0       | 32.6 | 28.0 |
| 34       | 32.0       | 34.6 | 30.0 |
| 36       | 34.0       | 36.6 | 32.0 |
| 38       | 36.0       | 38.6 | 34.0 |
| 40       | 38.0       | 40.6 | 36.0 |
| 42       | 40.0       | 42.6 | 38.0 |
| 44       | 42.0       | 44.6 | 40.0 |
| 46       | 44.0       | 46.6 | 42.0 |
| 48       | 46.0       | 48.6 | 44.0 |
| 50       | 48.0       | 50.6 | 46.0 |
| 52       | 50.0       | 52.6 | 48.0 |
| 54       | 52.0       | 54.6 | 50.0 |
| 56       | 54.0       | 56.6 | 52.0 |
| 58       | 56.0       | 58.6 | 54.0 |
| 60       | 58.0       | 60.6 | 56.0 |
| 62       | 60.0       | 62.6 | 58.0 |
| 64       | 62.0       | 64.6 | 60.0 |
| 66       | 64.0       | 66.6 | 62.0 |
| 68       | 66.0       | 68.6 | 64.0 |
| 70       | 68.0       | 70.6 | 66.0 |
| 72       | 70.0       | 72.6 | 68.0 |
| 74       | 72.0       | 74.6 | 70.0 |
| 76       | 74.0       | 76.6 | 72.0 |
| 78       | 76.0       | 78.6 | 74.0 |
| 80       | 78.0       | 80.6 | 76.0 |

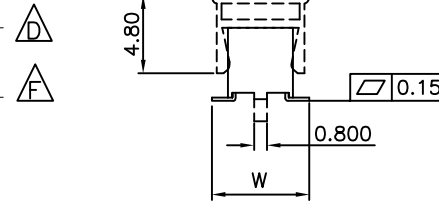
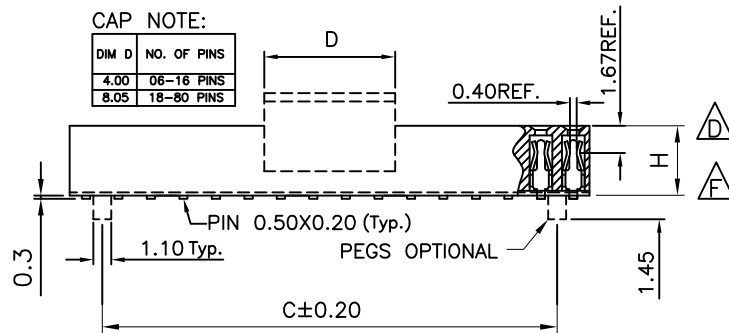


RECOMMENDED PCB LAYOUT



## CAP NOTE:

| DIM D | NO. OF PINS |
|-------|-------------|
| 4.00  | 06-16 PINS  |
| 8.05  | 18-80 PINS  |



## SPECIFICATIONS 规格

CURRENT RATING 电流额定值: 2 AMP

INSULATOR RESISTANCE 绝缘电阻值: 1000 MEGOHMS MIN.

CONTACT RESISTANCE 接触电阻值: 20mOHMS 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: PHOSPHOR BRONZE

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):

BF030 BF045 BF050 BF055 BF060

BF135 BF140 BF145

## Ordering Grid

BF100-XX-X-X-X-XXXX-X-X

No. of Contacts  
06 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 Material  
N = Nylon 6T (Standard)  
L = LCP

## Packing Options

C = Tape and Reel with Film (Standard)

B = Tape and Reel with Cap

D = Tube

E = Tube with Cap

F = Tube with Film

Dimension W (1/100mm)  
(Footprint Width)

'H' = 4.00mm: Standard - 6.25mm = 0625

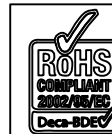
'H' = 4.30mm: Standard - 5.60mm = 0560 or 6.40mm (0640)

Or specify Dimension W

e.g. 2.50mm = 0250

TOL +/- 0.2mm

| By     | LYH                | PN                                               | DR                                    | AE                                             | AE                                 | SA                             | SA                        |
|--------|--------------------|--------------------------------------------------|---------------------------------------|------------------------------------------------|------------------------------------|--------------------------------|---------------------------|
| DETAIL | DRAWING<br>RELEASE | TOLERANCES AMENDED<br>PACKING OPTIONS<br>CHANGED | CHANGE TO SOLDER<br>TEMP. INFORMATION | MODIFICATION TO HEIGHT<br>EFFECTING ORDER GRID | CHANGE TO DIMENSION<br>W STANDARDS | CHANGE TO<br>INSULATOR HEIGHTS | CHANGE TO<br>DIM B VALUES |
| REV    | A                  | B                                                | C                                     | D                                              | E                                  | F                              | G                         |
| DATE   | 31/10/07           | 30/04/09                                         | 05/08/09                              | 25/08/09                                       | 25/11/09                           | 28/01/10                       | 02/06/10                  |



| Tolerances<br>(Except as noted) |              | Part Number:-                                                                               | Date:-    |
|---------------------------------|--------------|---------------------------------------------------------------------------------------------|-----------|
| Dimensions in mm                |              | BF100                                                                                       | 31 OCT 07 |
| X. ± 0.30                       | X.* ± 5.0°   | Description:-<br>2.0mm PITCH SOCKET, DUAL ROW,<br>SURFACE MOUNT                             |           |
| X.X ± 0.25                      | X.* ± 3.0°   |                                                                                             |           |
| X.XX ± 0.15                     | XX.* ± 2.0°  |                                                                                             |           |
| X.XXX ± 0.10                    | XXX.* ± 1.0° |                                                                                             |           |
| Third Angle Projection          |              | THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE<br>COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT |           |

|              |               |                      |                 |                            |
|--------------|---------------|----------------------|-----------------|----------------------------|
| Scale<br>NTS | Revision<br>G | Material<br>See Note | Drawn by<br>LYH | Sheet No.<br>E & OE<br>1/1 |
|--------------|---------------|----------------------|-----------------|----------------------------|

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