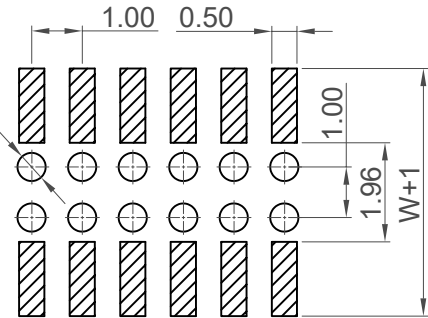
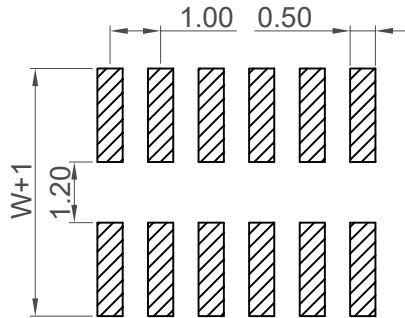
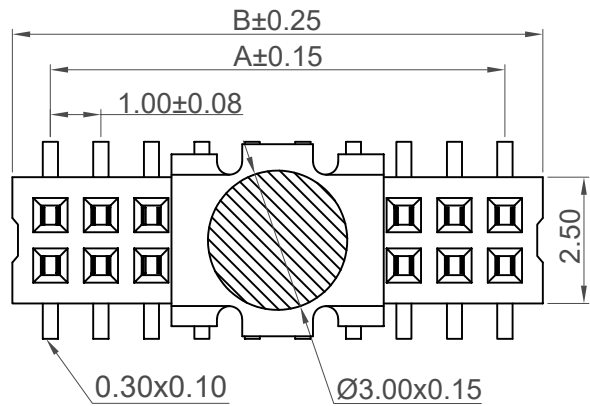
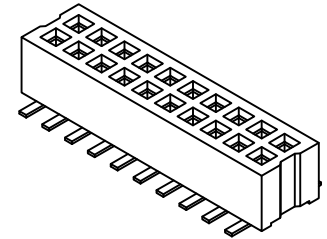
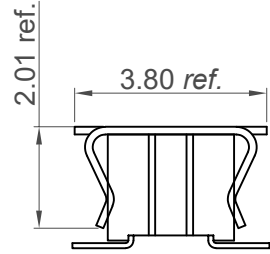
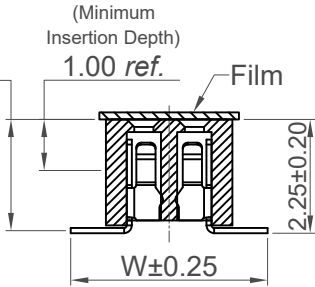
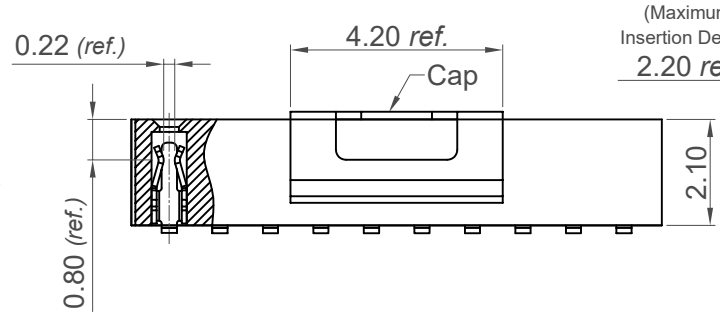


H  
G  
F  
E  
D  
C  
B  
A



**Recommended PCB Layout**  
For Top Entry  
General Tolerance: ±0.05  
Solder Area

**Recommended PCB Layout**  
For Bottom Entry  
General Tolerance: ±0.05  
Solder Area



| No. of Contacts | Dimensions |       |
|-----------------|------------|-------|
|                 | A          | B     |
| 4               | 1.00       | 2.50  |
| 6               | 2.00       | 3.50  |
| 8               | 3.00       | 4.50  |
| 10              | 4.00       | 5.50  |
| 12              | 5.00       | 6.50  |
| 14              | 6.00       | 7.50  |
| 16              | 7.00       | 8.50  |
| 18              | 8.00       | 9.50  |
| 20              | 9.00       | 10.50 |
| 22              | 10.00      | 11.50 |
| 24              | 11.00      | 12.50 |
| 26              | 12.00      | 13.50 |
| 28              | 13.00      | 14.50 |
| 30              | 14.00      | 15.50 |
| 32              | 15.00      | 16.50 |
| 34              | 16.00      | 17.50 |
| 36              | 17.00      | 18.50 |
| 38              | 18.00      | 19.50 |
| 40              | 19.00      | 20.50 |
| 42              | 20.00      | 21.50 |
| 44              | 21.00      | 22.50 |
| 46              | 22.00      | 23.50 |
| 48              | 23.00      | 24.50 |
| 50              | 24.00      | 25.50 |
| 52              | 25.00      | 26.50 |
| 54              | 26.00      | 27.50 |
| 56              | 27.00      | 28.50 |
| 58              | 28.00      | 29.50 |
| 60              | 29.00      | 30.50 |
| 62              | 30.00      | 31.50 |
| 64              | 31.00      | 32.50 |
| 66              | 32.00      | 33.50 |
| 68              | 33.00      | 34.50 |
| 70              | 34.00      | 35.50 |
| 72              | 35.00      | 36.50 |
| 74              | 36.00      | 37.50 |
| 76              | 37.00      | 38.50 |
| 78              | 38.00      | 39.50 |
| 80              | 39.00      | 40.50 |

**Specifications**

**Material**  
Insulator: LCP, UL94V-0, Black  
Contact: Phosphor Bronze

**Plating**  
See ordering grid

**Electrical**  
Current Rating: 1A per contact  
Contact Resistance: 20 mΩ max.  
Insulating Resistance: 500 MΩ min.  
Dielectric Withstand Voltage: 200V AC

**Mechanical & Environmental**  
Operating Temperature: -40°C to +125°C  
Soldering Process:  
IR Reflow: 260°C for 10 sec.  
Manual Solder: 350°C for 3-5 sec

Mates with (subject to pin length):  
BC035 BC036 BC040 BC045  
BC050 BC055 BC057

**Ordering Grid**  
BC085-XX-X-XXXX-L-X Request Samples and Quotation

No. of Contacts: 04 to 80  
Contact Plating: A = Gold Flash All Over (Standard), C = Tin All Over  
Dimension W (1/100mm) (Footprint Width): 0390 = 3.90mm (Standard), 0300 = 3.00mm

**Packing Options**  
B = Tape and Reel with Cap (Standard)  
C = Tape and Reel with Film  
D = Tube  
E = Tube with Cap (Unavailable for 4 / 6 contacts)  
F = Tube with Film (Unavailable for 4 contacts)  
Insulator Material: L = LCP

|               |             |                                      |                    |
|---------------|-------------|--------------------------------------|--------------------|
| Part Number   |             | Product Description                  |                    |
| BC085         |             | 1.00mm Pitch Socket, Dual Entry      |                    |
| Drawing Date  |             | Dual Row, Surface Mount, Vertical    |                    |
| 20th May 2008 |             |                                      |                    |
| By            | KY          | Tolerances (Except as Noted)         | Units: Metric (mm) |
| Detail        | BC085 F PCN | Length: X. ± 0.30<br>Angle: X.X ± 5° |                    |
| Revision      | F6          | X.X ± 0.25<br>X.XX ± 1°              |                    |
| Date          | 29/08/25    | X.XXX ± 0.15<br>X.XXX ± 0.10         |                    |

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Not to Scale | Drawn By AJO | Sheet No. 1/1