

BB02-CQ :- 1.27mm x 1.27mm (0.05" x 0.05") BTB SOCKET, DUAL ROW, STRAIGHT, SMD TYPE - 04 to 80 CONTACTS, DUAL ENTRY

SPECIFICATIONS

CURRENT RATING 1 AMP  
 INSULATOR RESISTANCE 1000 MEGOHMS MIN.  
 CONTACTS RESISTANCE 20m OHMS MAX.  
 DIELECTRIC WITHSTANDING AC 300 V  
 OPERATING TEMPERATURE -40°C TO +105°C  
 CONTACT MATERIAL PHOSPHOR BRONZE  
 INSULATOR MATERIAL POLYESTER UL 94V-0

(STANDARD: NYLON 6T FOR 4~50 CONTACTS,  
 LCP FOR 52~80 CONTACTS)

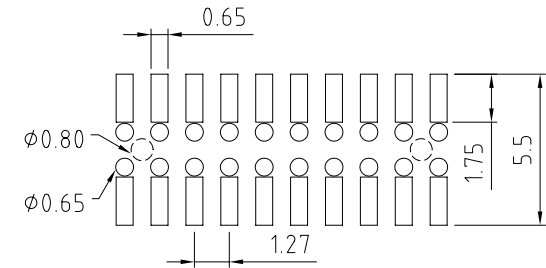
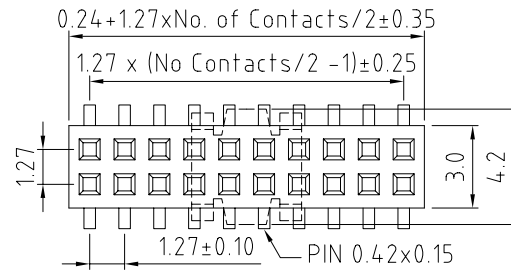
PLATING GOLD OR TIN OVER 30~50U" NICKEL

SOLDERABILITY: NYLON 6T - IR REFLOW: 260°C FOR 10 SEC  
 WAVE: 230°C FOR 5-10 SEC  
 MANUAL SOLDER: 350°C FOR 3-5 SEC  
 LCP - IR REFLOW: 280°C FOR 10 SEC  
 WAVE: 250°C FOR 5-10 SEC  
 MANUAL SOLDER: 380°C FOR 3-5 SEC

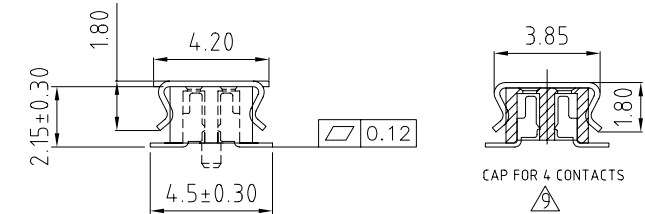
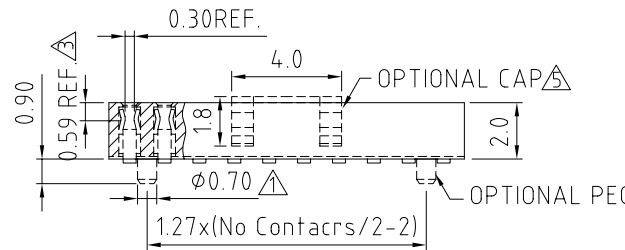
NOTES:

1. RECOMMENDED MATING PIN LENGTH FROM TOP ENTRY IS 1.5MM

MATES WITH:- BB02-BC BB02-BS  
 BB02-BD BB02-BZ  
 BB02-BK BB02-NE  
 BB02-BP



BOTTOM ENTRY TYPE  
 RECOMMENDED PC BOARD HOLE LAYOUT



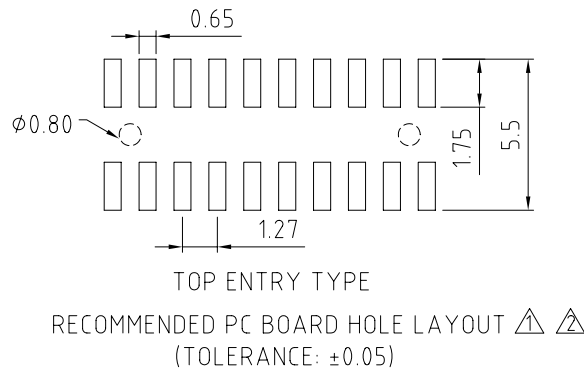
HOW TO ORDER



NO. OF CONTACTS  
 04 TO 80

CONTACT PLATING OPTIONS  
 K = GOLD FLASH (STANDARD)  
 A = 10U" GOLD ON CONTACT/GOLD FLASH ON TAIL  
 B = 15U" GOLD ON CONTACT/GOLD FLASH ON TAIL  
 C = 30U" GOLD ON CONTACT/GOLD FLASH ON TAIL  
 T = BRIGHT TIN  
 M = MATT TIN

PACKAGING OPTIONS  
 3 - TUBE  
 5 - TUBE + CAP  
 6 - T & R  
 8 - T & R + CAP  
 WITH OR WITHOUT LOCATING PEGS  
 0 = WITH (MIN. 6 PINS)  
 1 = WITHOUT



|      |                                      |
|------|--------------------------------------|
| REV. | DATE & DRN                           |
| 10   | 11/02/05 - NYW RELEASE               |
| 11   | 12/07/05 - NYW AMEND NO. OF CONTACTS |
| 12   | 12/07/05 - NYW AMEND LOCATING PEG    |
| 13   | 12/07/05 - NYW AMEND PCB LAYOUT      |
| 14   | 12/07/05 - NYW AMEND PACK OPTIONS    |
| 15   | 12/07/05 - NYW AMEND MAX PINS TO 80  |
| 16   | 12/07/05 - NYW REMOVE SELECTIVE GOLD |
| 17   | 12/07/05 - NYW ADD PCB HOLE LAYOUT   |
| 18   | 12/07/05 - NYW REMOVE CAP OPTION     |
| 19   | 09/03/06 - NYW ADD CONTACT DISTANCE  |
| 20   | 07/07/06 - NYW DRAWING MODIFICATION  |
| 21   | 07/07/06 - NYW ADD FILM DRAWING      |
| 22   | 09/07/06 - NYW ADD ADD 4 CONTACTS    |
| 23   | 09/07/06 - NYW REMOVE FILM ADD CAP   |
| 24   | 05/07 - CHC ADD NOTES 1.             |
| 25   | 07/08 - NYW PLATING MODIFICATION     |
| 26   | 07/08 - NYW ADD MATT TIN PLATING     |
| 27   | 07/08 - NYW ADD 4 CONTACTS           |
| 28   | 12/08 - CHC AMEND DIMENSIONS         |
| 29   | 07/08 - NYW AMEND LOCATING PEG       |
| 30   | 07/08 - NYW ADD CAP FOR 4 CONTACTS   |

|        |            |
|--------|------------|
| Scale: | 5:1        |
| Drawn: | CHC        |
| App'd: | XXXX       |
| Date:  | 16 DEC '08 |

|             |        |
|-------------|--------|
| THIRD ANGLE |        |
| Title       | SOCKET |
| Revision:   | 19     |

|                      |   |
|----------------------|---|
| Unstated Tolerances: | X ± 0.30<br>X ± 0.25<br>XX ± 0.15<br>XXX ± 0.10 |
| Material             | SEE NOTE  |
|                      | NOT TO SCALE                                    |
| UNIT:                | mm  |

www.gradconn.com

THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

|                 |           |
|-----------------|-----------|
| Type:           | BB02-CQ   |
|                 | BB02-CQ   |
| Drawing Number: |           |
| Sheet           | 1 of 1    |
| Drawing         | E and 0 E |