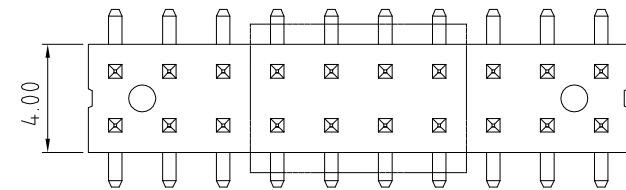


BB02-FE :- 2.00mm x 2.00mm ( 0.079" x 0.079" ) PIN HEADER, DUAL ROW, STRAIGHT, SMT TYPE - 04 to 80 CONTACTS

**SPECIFICATIONS**  
 CURRENT RATING 2 AMP  
 INSULATOR RESISTANCE 5000 MEGOHMS MIN.  
 DIELECTRIC WITHSTANDING AC 500 V  
 OPERATING TEMPERATURE -40°C TO +105°C  
 CONTACT MATERIAL BRASS  
 INSULATOR MATERIAL THERMOPLASTIC, UL 94V-0  
 STANDARD: NYLON 6T  
 PLATING GOLD, TIN, OR SELECTIVE OVER 30~50U" NICKEL  
 SOLDERABILITY IR REFLOW: 260°C FOR 10 SEC  
 MANUAL SOLDER: 350°C FOR 3-5 SEC

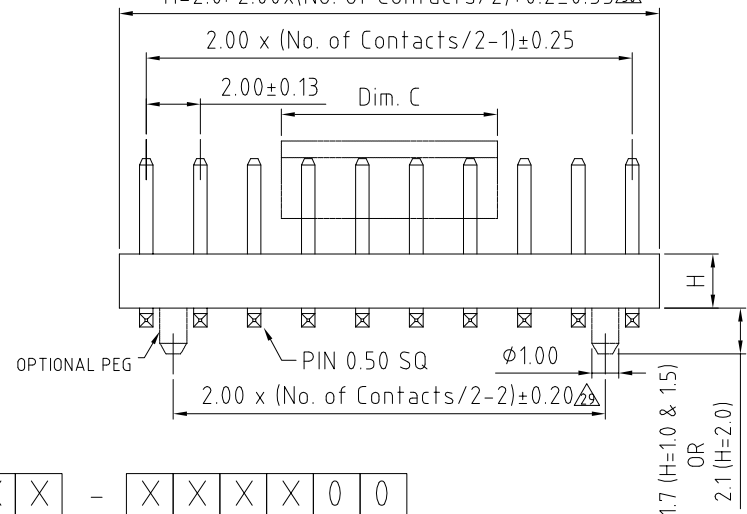
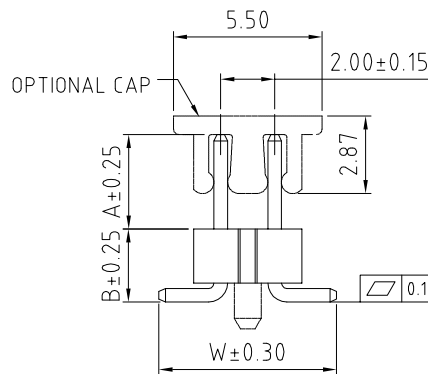
**MATES WITH :-** BB02-GH BB02-GT  
 BB02-GK BB02-GY  
 BB02-GL BB02-GZ  
 BB02-GM BB02-RG  
 BB02-GP BB02-RJ  
 BB02-GQ BB02-RX

| Dim.C  | NOTE      |
|--------|-----------|
| 5.0mm  | 06~16pins |
| 8.16mm | 18~80pins |



H=1.5:  $2.00 \times (\text{No. of Contacts} / 2) \pm 0.35 \Delta$

H=2.0:  $2.00 \times (\text{No. of Contacts} / 2) + 0.2 \pm 0.35 \Delta$



HOW TO ORDER



NO. OF CONTACTS:  
 04 TO 80 (W/O PEG)  
 06 TO 80 (W/PEG)

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  
 D = GOLD FLASH ON CONTACT/BRIGHT TIN ON TAIL  
 E = 10U" GOLD ON CONTACT/BRIGHT TIN ON TAIL  
 F = 15U" GOLD ON CONTACT/BRIGHT TIN ON TAIL  
 G = 30U" GOLD ON CONTACT/BRIGHT TIN ON TAIL

HEIGHT OPTIONS:

| CODE | 'B'  | 'H' |
|------|------|-----|
| A    | 2.2  | 1.5 |
| B    | 2.7  | 2.0 |
| C    | 2.95 | 1.5 |
| D    | 2.5  | 1.5 |
| F    | 1.8  | 1.0 |
| G    | 3.45 | 2.0 |
| H    | 2.1  | 1.5 |
| J    | 2.75 | 1.5 |
| K    | 3.00 | 2.0 |

(CUSTOM LENGTH AVAILABLE.)

PIN LENGTH A (1/10mm)  
 PLEASE SPECIFY PIN LENGTH REQUIRED  
 IE 4.0mm = 40  
 STANDARD = 40

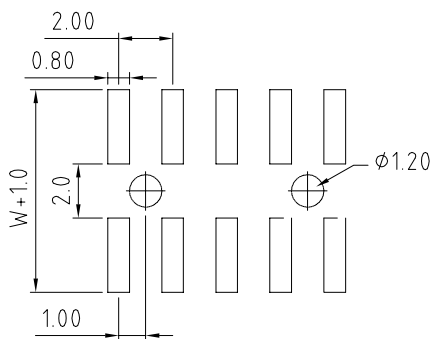
PACKAGING OPTIONS:

- 3 = TUBE
- 5 = TUBE + CAP
- 6 = TAPE & REEL
- 8 = TAPE & REEL + CAP

LOCATING PEG OPTIONS:

- A = WITH PEG
- B = WITHOUT PEG

"W" DIMENSION:  
 0 = 6.5MM  
 A = 6.0MM  
 B = 7.9MM  
 C = 5.25MM  
 E = 7.0MM  
 F = 5.5MM  
 STANDARD = 0  
 (CUSTOM LENGTH AVAILABLE)



(TOLERANCE: ±0.05)

RECOMMENDED PC BOARD SMD LAYOUT

|                                |                          |
|--------------------------------|--------------------------|
| REV. DATE & DRN                | 10 06/06/03 - NR RELEASE |
| ADD CAP                        | 11 28/07/04 - NYW        |
| MAX. PIN NO. 30 -> 80          | 12 07/09/04 - NYW        |
| REMOVE PACK OPTION 1           | 13 01/27/05 - NYW        |
| ADD SELECTIVE PLATING          | 14 24/07/06 - NYW        |
| ADD W OPTION                   | 15 25/09/06 - NYW        |
| ADD C TO B OPTION              | 16 04/07/06 - NYW        |
| ADD F TO B OPTION              | 17 05/07/06 - NYW        |
| ADD SELECTIVE PLATING          | 18 21/12/06 - NYW        |
| ADD W OPTION                   | 19 11/06/07 - NYW        |
| ADD OPTION B TO W              | 19 19/12/07 - CHC        |
| ADD OPTION C TO W              | 19 11/06/07 - NYW        |
| ADD OPTION C TO W              | 20 04/07/08 - NYW        |
| ADD F TO B OPTION              | 21 28/03/08 - NYW        |
| ADD F TO B OPTION              | 22 12/06/08 - NYW        |
| REMOVE E OPTION FROM B         | 23 03/09/08 - NYW        |
| ADD G TO B OPTION              | 24 31/12/08 - CHC        |
| ADD H TO B OPTION              | 25 22/05/09 - NYW        |
| ADD H TO B OPTION              | 26 08/17/10 - NYW        |
| ADD F TO W OPTION              | 27 05/12/13 - NYW        |
| ADD K TO B OPTION              | 28 11/03/15 - NYW        |
| ADD INSULATOR TOLERANCE DESIGN | 29 13/12/16 - NYW        |
| ADD INSULATOR TOLERANCE DESIGN | 30 05/02/21 - NYW        |
| ADD INSULATOR WIDTH            | 30 05/02/21 - NYW        |

|                  |                  |  |                      |
|------------------|------------------|--|----------------------|
| Scale: 5:1       | THIRD ANGLE      | Unstated Tolerances:<br>X ± 0.30<br>XX ± 0.25<br>XXX ± 0.15<br>XXXX ± 0.10 | Material<br>SEE NOTE |
| Drawn: CHC       |                  |  |                      |
| App'd: XXXX      | Title PIN HEADER |  | NOT TO SCALE         |
| Date: 5 FEB. '21 | Revision: 3.0    |  | Unit: mm             |

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|                    |
|--------------------|
| Type: BB02-FE      |
| BB02-FE            |
| Drawing Number:    |
| Sheet 1 of 1       |
| Drawing  E and O E |