

BB02-FZ

## CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS  
Compliant

BB02-FZ :- 2.00mm X 2.00mm (0.079" X 0.079") PIN HEADER, DUAL ROW, STRAIGHT, THROUGH HOLE, 04 to 80 CONTACTS, BOARD SPACER

## SPECIFICATIONS

CURRENT RATING 2 AMP  
INSULATOR RESISTANCE 1000 MEGOHMS MIN.  
DIELECTRIC WITHSTANDING AC 500 V  
OPERATING TEMPERATURE -40°C TO +105°C  
CONTACT MATERIAL BRASS  
INSULATOR MATERIAL POLYESTER, UL 94V-0  
NYLON 6T : STANDARD  
PBT : SPECIAL OPTION  
PLATING GOLD, TIN, OR SELECTIVE 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  
PBT - MANUAL SOLDER: 330°C FOR 3-5 SEC  
(NOT SUITABLE FOR HI-TEMP PROCESS)

PACKED LOOSE IN BAG OR BOX.

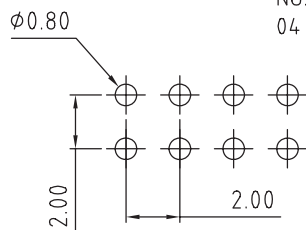
MATES WITH: - BB02-GH BB02-GP BB02-RG  
BB02-GK BB02-GQ BB02-RJ  
BB02-GL BB02-GT BB02-RX  
BB02-GM BB02-GZ

## NOTES:

1. MAX. C LENGTH = 39mm - A - B - D.

## HOW TO ORDER

B B 0 2 - F Z X X 1 - X X 1 - X X X X X X - 6 T



(TOLERANCE: ±0.05)  
RECOMMENDED PCB HOLE LAYOUT

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  
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

## DIMENSION B

A = 2.8  
B = 2.0  
C = 2.5  
D = 3.0  
E = 3.5  
F = 6.0

PIN LENGTH A (1/10mm)  
SPECIFY PIN LENGTH  
STANDARD = 40 = 4.0mm  
MINIMUM = 10 = 1.0mm  
MAXIMUM = 150 = 15.0mm  
TOL.: ±0.25mm

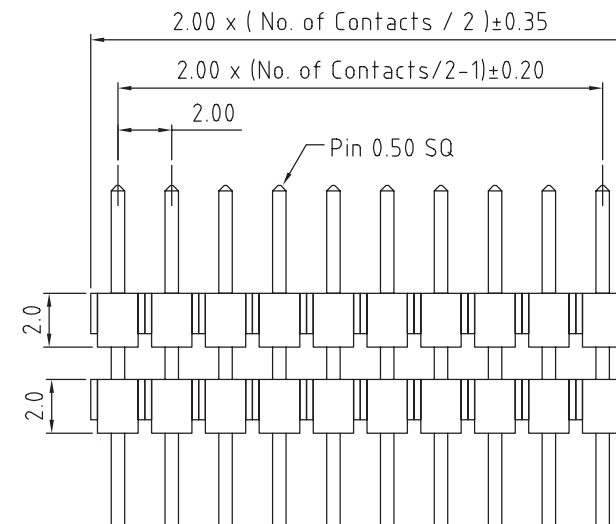
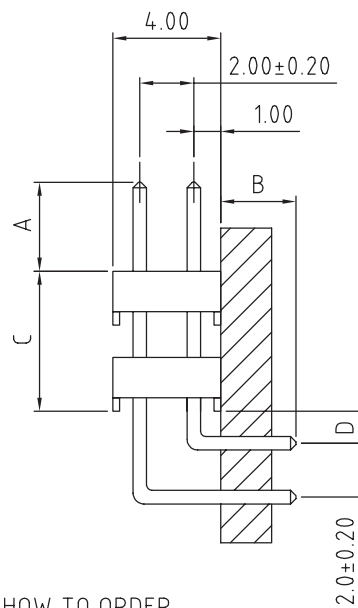
PIN LENGTH C (1/10mm)  
SPECIFY PIN LENGTH  
MINIMUM = 40 = 4.0mm  
MAXIMUM = SEE NOTE 1.  
TOL.: ±0.25mm

INSULATOR MATERIAL  
6T = NYLON 6T (STANDARD)  
BLANK = PBT (Not suitable for new designs.)

PIN LENGTH D (1/10mm)  
SPECIFY PIN LENGTH  
STANDARD = 10 = 1.0mm  
TOL.: ±0.25mm

## LONGER PIN LENGTH REQUIRED?

If pin length required is longer than 9.9mm (99), then use a '/' to separate the numbers.  
Example: A=6.0mm, C=12.5mm, D=3.0mm, mark as 60 / 125 / 30.



REV. DATE & DRN 10. 27/07/05 - NYW RELEASE 11. 08/08/06 - NYW ADD PLASTIC OPTION. DRAWING MODIFICATION 12. 15/03/07 - CHC ADD DIMENSION B OPTION. 13. 02/06/08 - CHC PLATING MODIFICATION 14. 12/01/09 - NYW DRAWING MODIFICATION	Scale: 5:1	THIRD ANGLE	Unstated Tolerances: X. ± 0.30 X ± 0.25 XX ± 0.15 XXX ± 0.10	Material SEE NOTE	 THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	Type: BB02-FZ
	Drawn: CHC					BB02-FZ
	App'd: XXXX	Title PIN HEADER		NOT TO SCALE		Drawing Number:
	Date: 12 JAN '09	Revision: 14		Unit: mm		Sheet 1 of 1 Drawing © E and O E