

6 5 4 3 2 1

APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

| Rev | AWO # | Description | Date    | Appr |
|-----|-------|-------------|---------|------|
| -   |       | RELEASED    | 5/26/09 |      |

D

Mating Drawing (Ref)

RECOMMENDED PCB LAYOUT

C

B

SPECIFICATIONS:

Material:  
 Insulator: Hi-temp thermoplastic, rated UL 94V-0  
 Insulator color: White  
 Contacts: Phosphor Bronze  
 Plating:  
 Gold flash over Nickel underplate overall  
 Electrical:  
 Operating voltage: 50 VAC max.  
 Current rating: 0.5 Amps max.  
 Contact resistance: 30 mohms max. initial  
 Insulation resistance: 100 Mohms min@ 100V DC  
 Dielectric withstanding voltage: 100 VAC for 1 minute  
 Temperature Rating:  
 Operating temperature: -20°C to +105°C  
 Environmental:  
 Lead free, RoHS compliant

Positions: 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 60, 70, 80, 90, 100, 120

A = .020 [0.50] x (No. of Contacts - 1)  
 B = .020 [0.50] x (No. of Contacts - 1) + .038 [0.96]  
 C = .020 [0.50] x (No. of Contacts - 1) + .126 [3.20]  
 D = .020 [0.50] x (No. of Contacts - 1) + .075 [1.90]

UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE INCHES [MM]  
 TOLERANCES: EXCEPT AS NOTED

| INCHES |        | HOLES |        |
|--------|--------|-------|--------|
| .X     | ± .10  | Ø.X   | ± .10  |
| .XX    | ± .020 | Ø.XX  | ± .015 |
| .XXX   | ± .015 | Ø.XXX | ± .010 |

| APPROVALS |    | DATE    |
|-----------|----|---------|
| DRAWN     | DY | 5/26/09 |
| CHECKED   |    |         |
| APPROVED  |    |         |

|   |                         |              |
|---|-------------------------|--------------|
| TITLE<br>.020 [0.50] BOARD TO BOARD SOCKET<br>2.2 MM HEIGHT, SMT TYPE |                         |              |
| SIZE<br>X   | PART NO.<br>BB5-SD-XX-G | REV.<br>-    |
| REF: S00056T  | SCALE: NTS              | SHEET 1 OF 1 |

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