



INTRODUCTION:

Adam Tech BBA series connectors are an extremely low profile, surface mounted, narrow pitched, polarized, mated set of board to board connectors available in five different pitches. This series has a stacking height of .100" (2.54) and is available in pin counts up to 90 circuits. Adam Tech features a unique bellows type contact and a body design which provides space for automatic insertion machine pick up. This connector is ideal for cell phones, pagers, video equipment, small portable equipment and anywhere an LCD display is used.

FEATURES:

- Multiple board stacking heights
- All common pin counts
- Locating peg on 0.8mm pitch versions
- Hi-Temp material
- High reliability precision formed contacts

SPECIFICATIONS:

Material:

Insulator:
0.5mm: LCP or Nylon 6T, glass reinforced, rated UL94V-0
Contacts: Phosphor Bronze

Contact Plating:

Tin or Gold flash over copper underplate

Electrical:

Operating voltage: 50V AC max.
Current rating:
0.5mm: 0.3 Amps max
0.8mm: 0.5 Amps max.
Contact resistance: 40 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Mating durability: 250 Cycles min.

Temperature Rating:

Operating temperature: -65°C to +155°C

PACKAGING:

Anti-ESD plastic trays or tubes
Tape and Reel with pick & place pad

APPLICATION & CONFIGURATION OVERVIEW

0.4mm Centerline Pitch

Series BB4-PO/SO offers a fixed height 0.039mm male connector matched with a fixed height 0.049mm female connector to provide a total stacking height of 1.5mm. These sets are available in positions 10-100 (see drawing page details)

Series BB4-PE/SE offers a fixed height 1.25mm male connector which is matched with a fixed height 1.25mm female providing a total stacking height of 1.5mm. These sets are available in positions 10-100 (see details on drawing page)

0.5mm Centerline Pitch

Series BB5-PO/SO offers a fixed height 3.15mm male connector which can be matched to four different female connector heights (3.00, 3.50, 4.00, 6.00) to provide four choices of total stacking heights (4.00, 4.50, 5.00, 6.00) These sets are available in positions 10-100 (see details on drawing page)

Series BB5-PN/SN offers a male connector in five different heights (2.20, 2.70, 3.00, 3.20, 3.50) and a matched female connector in four different heights (3.00, 3.50, 4.00, 6.00) to provide four choices of total stacking heights (4.00, 4.50, 5.00, 6.00) These sets are available in positions 10-120 (see details on drawing page)

0.635mm Centerline Pitch

Series BB635-PE/SE offers a male connector in two different heights (4.00, 5.00) which is matched to a fixed height female connector (4.00) to provide a choice of two total stacking heights (5.00, 6.00) These sets are available in positions 20, 30, 40 & 50P (see details on drawing page)

0.8mm Centerline Pitch

Series BB8-PO/SO offers a fixed height (3.55mm) male connector which can be matched to four different female connector heights (3.55, 5.05, 5.45, 6.05) to provide four choices of total stacking heights (4.60, 6.00, 6.50, 7.00) These sets are available in positions 10 - 100 (see details on drawing page)

Series BB8-PN/SN offers a male connector in two different heights (3.55, 4.05) which can be matched to five different female connector heights (3.65, 4.15, 4.70, 5.15, 5.65) to provide eight choices of total stacking heights (4.50, 5.00, 5.15, 5.65, 6.00, 6.15, 6.50, 7.00) These sets are available in positions 10 - 100 positions (see details on drawing page)

1.00mm Centerline Pitch

Series BB10-PO/SO offers a male connector in three different heights (6.35, 7.35, 8.35) which can be matched to four different female connector heights (5.37, 7.37, 8.37, 10.37) to provide eight choices of total stacking heights (8.00, 9.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00) These sets are available in positions 10 - 100 positions (see details on drawing page)

