

INTRODUCTION:

Adam Tech S2B Series .050" Ribbon Connectors with either Straight or Right Angle PCB tails are both widely used high density interfaces for many I/O applications. Offered in 50 and 68 positions they are a good choice for compact applications. Adam Tech connectors feature a flat leaf and fork contact design with the popular, polarized D face. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

FEATURES:

- Available in IDC or Card Edge Straddle mount
- Blade contact with Blanked terminal
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech .050" Miniature Ribbon connectors and all industry standard .050" Miniature Ribbon connectors.

SPECIFICATIONS:

Material:

Standard insulator: PBT, Glass filled, rated UL94V-0
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
 Insulator Color: Black
 Contacts: Phosphor Bronze
 Shell: Steel, nickel plated

Contact Plating:

Gold Flash over nickel underplate on mating area, Tin over Copper underplate on tails

Electrical:

Operating Voltage: 250V AC
 Current Rating: 1 Amp max.
 Contact Resistance: 30 mΩ max.
 Insulation Resistance: 1000 MΩ min.
 Dielectric Withstanding Voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 10 kg per contact max.
 Withdrawal force: .02 kg per contact min.

Temperature Rating:

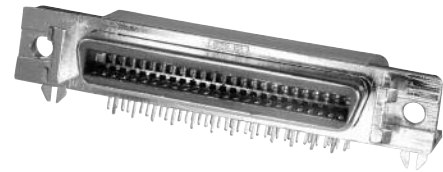
Operating Temperature: -55°C to +105°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

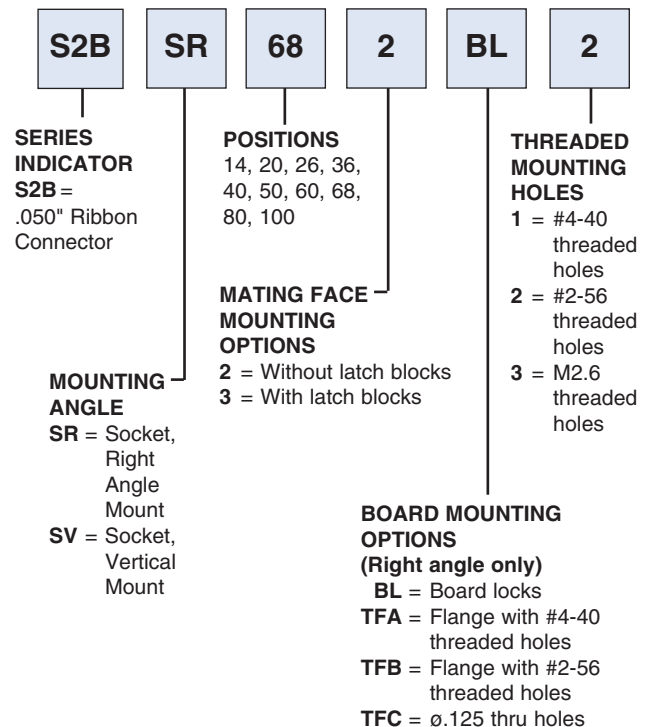
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053
 CSA Certified File No. LR1578596



ORDERING INFORMATION



OPTIONS

Add designator(s) to end of part number
 HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C