

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:

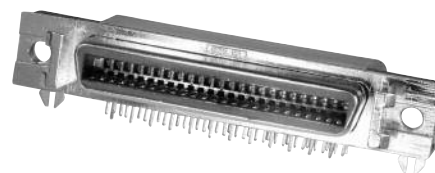
Operating Temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

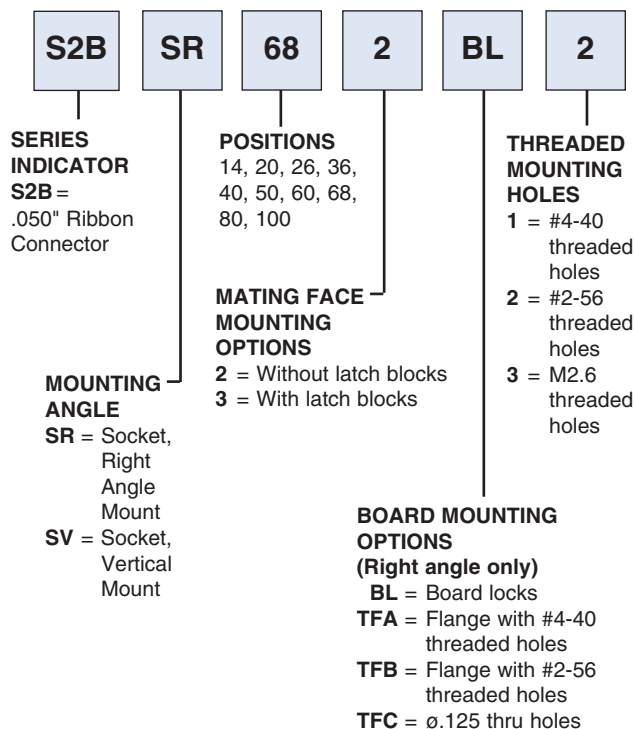
Anti-ESD plastic trays

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