

INTRODUCTION:

Adam Tech Straight PCB tail D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost, sturdy, full metal body industry standard connection. These connectors are manufactured with precision stamped or machined turned contacts offering a choice of contact plating and a wide selection of mating and mounting options.

FEATURES:

- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T

Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

Contact Plating:

Gold Flash (15 and 30 µin Optional) over Nickel underplate overall

Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max

Extraction force: 0.44 lbs min

Temperature Rating:

Operating temperature: -65°C to +125°C

Soldering process temperature:

Standard insulator: 235°C

Hi-Temp insulator: 260°C

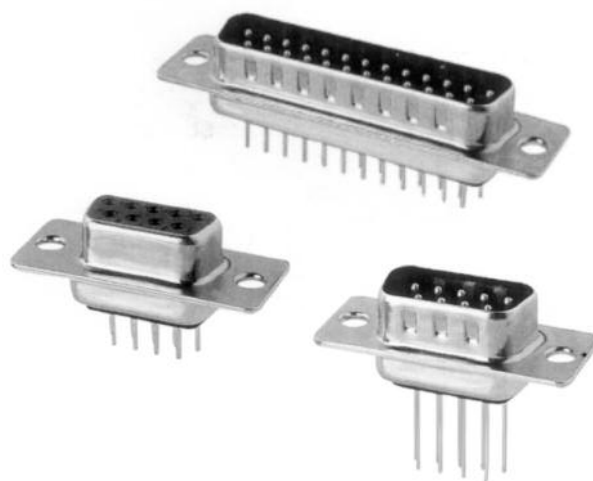
PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION

DB25	ST	1	SL
SHELL SIZE/ POSITIONS DE09 = 9 Position DA15 = 15 Position DB25 = 25 Position DC37 = 37 Position DD50 = 50 Position	CONTACT TYPE PT = Plug, Straight PCB Tail, Standard Profile ST = Socket, Straight PCB Tail, Standard Profile PE = Plug, Straight PCB Tail, High Profile SE = Socket, Straight PCB Tail, High Profile	TERMINAL LENGTH 1 = Standard tail length for .062" thru .125" PCB's (E = .189") 2 = Wire wrap tail (E = .512")	MOUNTING OPTIONS Blank = .120" Mounting Holes SL = Bottom side riveted #4-40 Clinch Nuts JS = Top side riveted #4-40 Jackscrews BL = Riveted #4-40 Internal Threaded Standoffs with Boardlocks R = Riveted Round Jack Screws JSL = Bottom side riveted #4-40 Clinch Nuts with Jack Screws installed

OPTIONS:

Add designator(s) to end of part number

15 = 15 µin gold plating in contact area

30 = 30 µin gold plating in contact area

EMI = Ferrite filtered version for EMI / RFI suppression (Page 72)

HT = Hi-Temp insulator for hi-temp soldering processes up to 260°C

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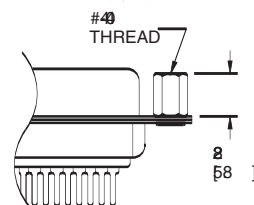
*E = .189" or .512"

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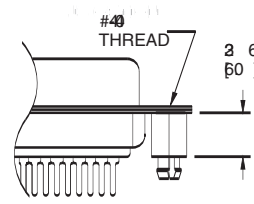
#40
THREAD

5/8 7/8

SL Option
Bottom side riveted #4-40
Clinch Nuts

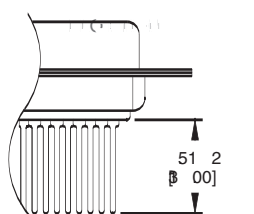


JS Option
Top side riveted #4-40
Jack Screws



BL Option

#4-40 Threaded Boardlocks



Wire Wrap Tail Option
Terminal length -2
wire wrap tail

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Recommended PCB Layout

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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