ADAM TECH Adam Technologies, Inc.

D-SUBMINIATURE

STRAIGHT & WIRE WRAP PCB TAIL

DPT, DST, DPE & DSE SERIES

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: $20 \text{ m}\Omega$ max. initial Insulation resistance: $5000 \text{ M}\Omega$ 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:

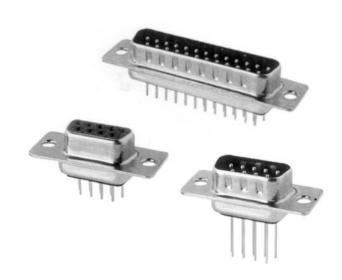
Anti-ESD plastic trays

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

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

TERMINAL LENGTH

1 = Standard tail length for .062" thru .125" PCB's (**E** = .189")

2 = Wire wrap tail

 $\mathbf{E} = .512$ ")

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

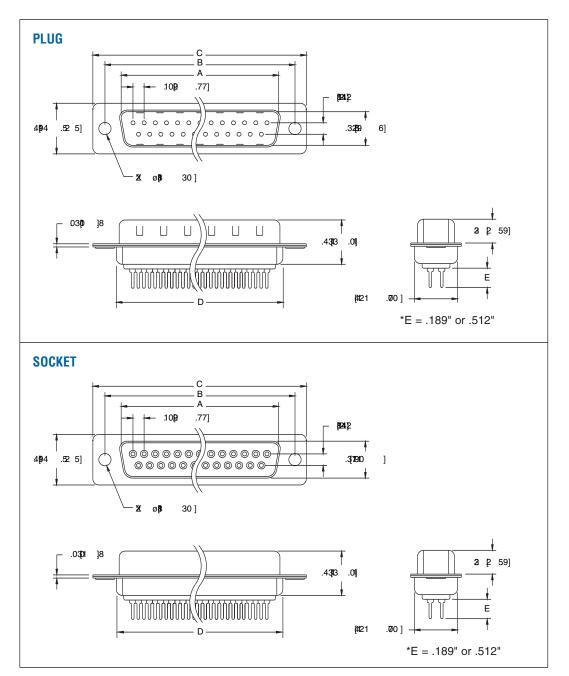


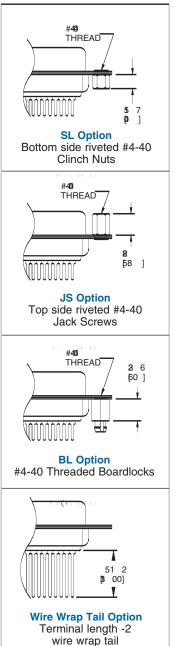
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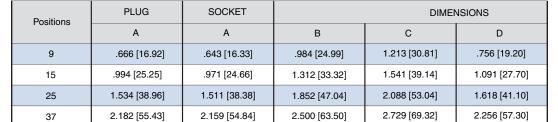
MOUNTING OPTIONS

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DPT & DST SERIES

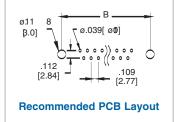






2.064 [52.43]

2.079 [52.81]



Unit: Inch [mm]

2.169 [55.10]

2.406 [61.11]

2.637 [67.00]