

INTRODUCTION:

Adam Tech Right Angle .318" footprint PCB D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a low cost industry standard connection. These connectors are manufactured with precision stamped 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 color: Black
Contacts: Phosphor Bronze
Shell: Steel, Tin or Zinc plated
Hardware: Brass, Nickel plated

Contact Plating:

Gold Flash (15 and 30 μ m Optional) over Nickel underplate on mating area. Tin over copper underplate on PCB tails.

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max.
Contact resistance: 20 m Ω max. initial
Insulation resistance: 5000 M Ω min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.75 lbs max
Extraction force: 0.44 lbs min

Temperature Rating:

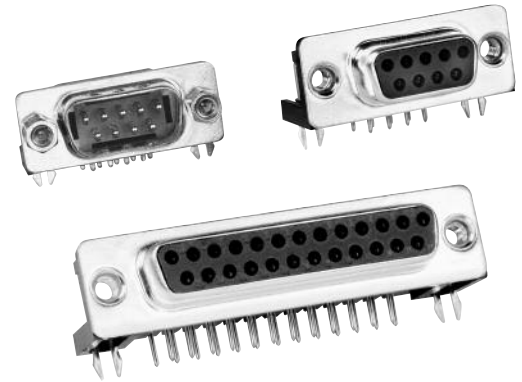
Operating temperature: -65°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION

DB25

SL

2

4

SHELL SIZE/ POSITIONS

DE09 = 9 Position
DA15 = 15 Position
DB25 = 25 Position
DC37 = 37 Position

CONTACT TYPE

PL = Plug, .318" Footprint
SL = Socket, .318" Footprint

MATING FACE MOUNTING OPTIONS

3 = #4-40 fixed jackscrews
4 = #4-40 flush threaded inserts
5 = #4-40 flush threaded inserts with removable jackscrews installed
6 = .120" non-threaded mounting holes

* See Mounting Option diagrams pg. 74

PCB MOUNTING OPTIONS

1 = Wrap around ground straps with thru holes
2 = Forked board locks
3 = Top side only ground straps with thru holes
4 = Top side only ground straps with #4-40 threaded screw holes

* See Mounting Option diagrams pg. 74

OPTIONS:

Add designator(s) to end of part number

15 = 15 μ m gold plating in contact area
30 = 30 μ m gold plating in contact area

EMI = Ferrite filtered version for EMI/RFI suppression

LPJ = Loose packed jackscrews

F = Superior retention 4 prong boardlocks

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

R = Round jackscrews

PF = Press fit pins