

### 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  $\mu$ 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 $\Omega$  max. initial  
Insulation resistance: 5000 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:

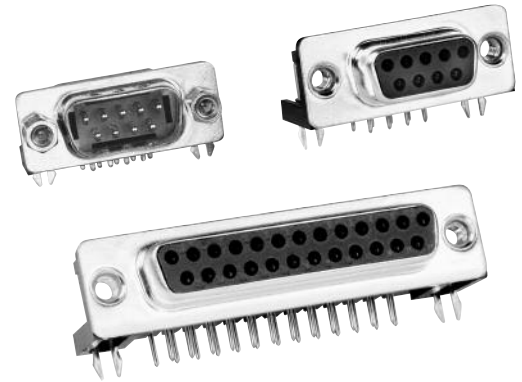
Operating temperature: -65°C to +125°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

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



### ORDERING INFORMATION

DB25

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  $\mu$ m gold plating in contact area

30 = 30  $\mu$ 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