

Adam Technologies, Inc.

D-SUBMINIATURE

RIGHT ANGLE .318" [8.08] MOUNT

DPL & DSL SERIES

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 µin 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

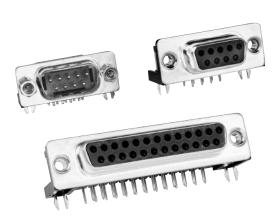
APPROVALS AND CERTIFICATIONS:

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

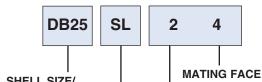








ORDERING INFORMATION



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

L 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 µin gold plating in contact area
- **30** = 30 μin 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