

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 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:

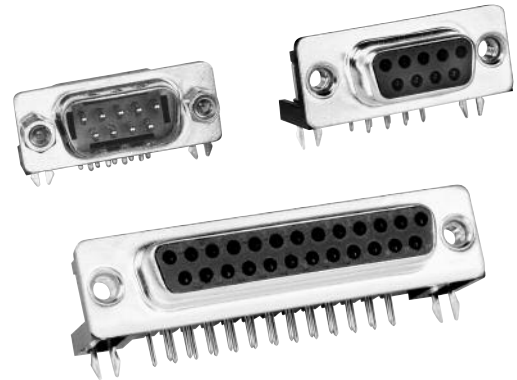
Operating temperature: -65°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

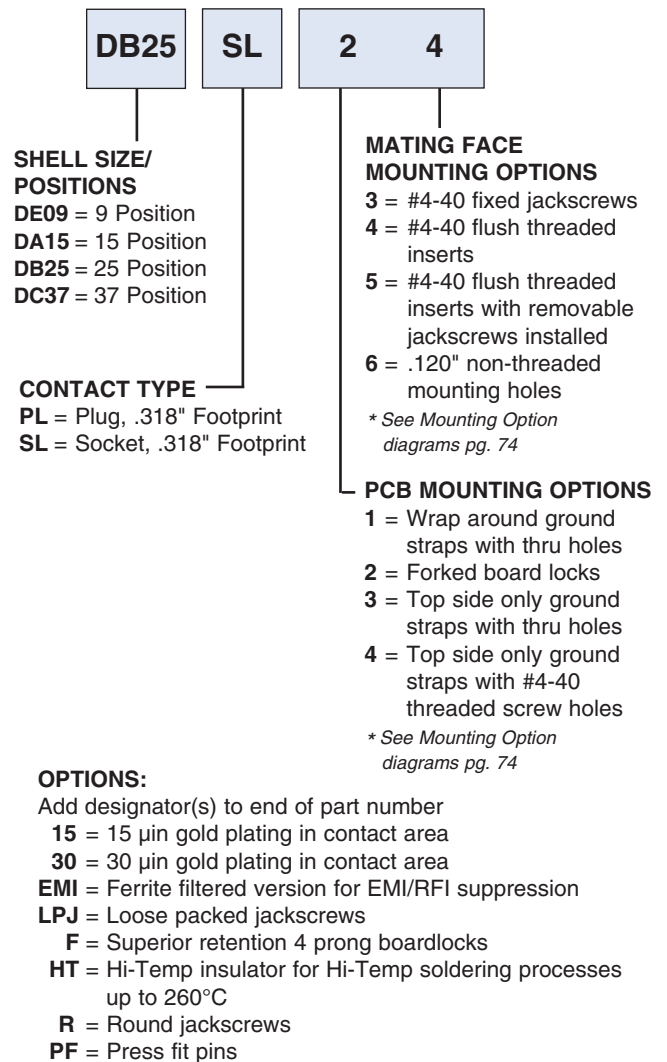
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

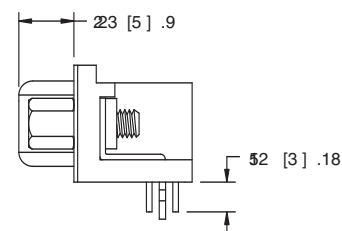
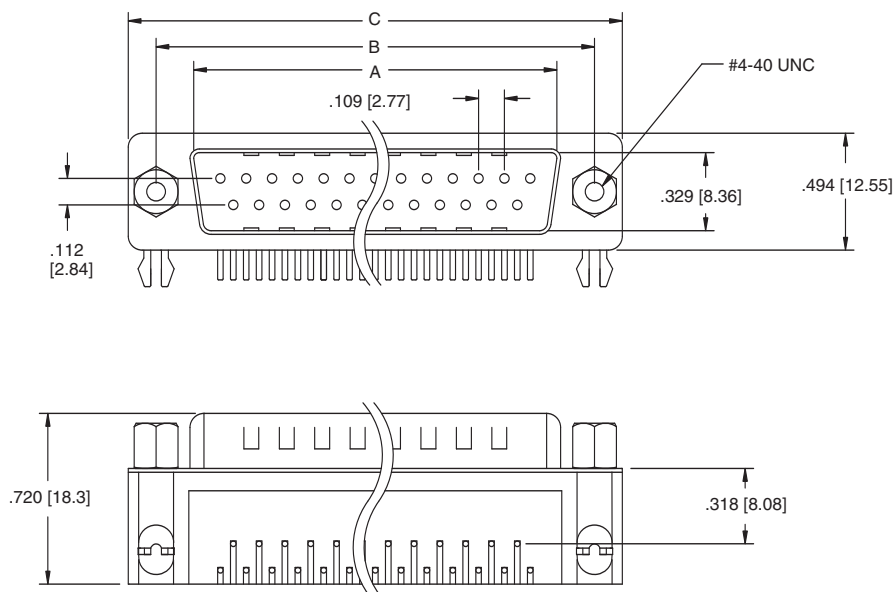
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CSA Certified File No. LR1578596



ORDERING INFORMATION

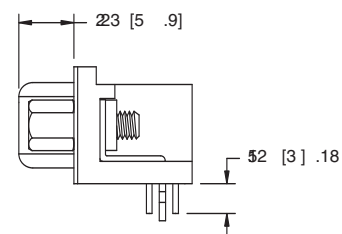
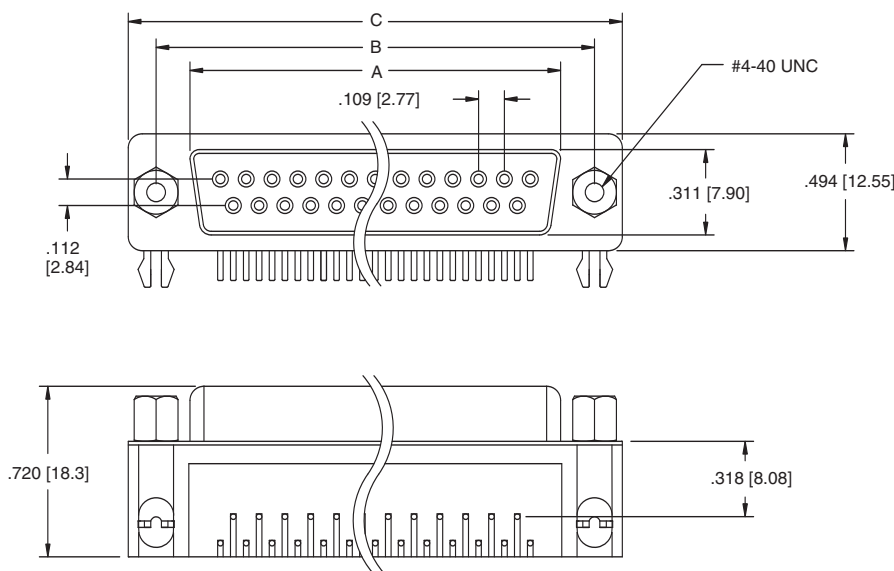


PLUG



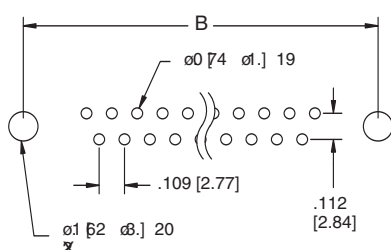
DB25-PL-25

SOCKET

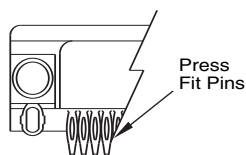


DB25-SL-24

Unit: Inch [mm]



Recommended PCB Layout



Press Fit Option

Pos.	PLUG	SOCKET	DIMENSIONS	
	A	A	B	C
9	.666 [16.92]	.643 [16.33]	.984 [24.99]	1.213 [30.81]
15	.994 [25.25]	.971 [24.66]	1.312 [33.32]	1.541 [39.14]
25	1.534 [38.96]	1.511 [38.38]	1.852 [47.04]	2.088 [53.04]
37	2.182 [55.43]	2.159 [54.84]	2.500 [63.50]	2.729 [69.32]

MATING FACE & PCB MOUNTING OPTIONS

OPTION 13 ø.126 Thru Hole #4-40 Fixed Jackscrew Wrap Around Ground Strap	OPTION 14 ø.126 Thru Hole #4-40 Threaded Insert Wrap Around Ground Strap	OPTION 15 ø.126 Thru Hole #4-40 Threaded Insert with Removable Jackscrew Wrap Around Ground Strap
OPTION 16 ø.126 Thru Hole #4-40 Threaded Insert Wrap Around Ground Strap	OPTION 23 FORKED BOARD LOCK #4-40 Fixed Jackscrew <i>* Standard Stocked Item</i>	OPTION 23-R OPTION 27 #4-40 Rivited Round Jackscrew (Shown) #4-40 Rivited Hex Jackscrew (Not Shown) FORKED BOARD LOCK #4-40 Rivited Round Jackscrew
OPTION 24 FORKED BOARD LOCK #4-40 Threaded Insert <i>* Standard Stocked Item</i>	OPTION 24-F 4 PRONG BOARD LOCK #4-40 Threaded Insert	OPTION 25 FORKED BOARD LOCK Removable Jackscrew #4-40 Threaded Insert <i>* Standard Stocked Item</i>
OPTION 26 FORKED BOARD LOCKS ø.120 Thru Hole	OPTION 33 ø.126 Thru Hole #4-40 Fixed Jackscrew Top Side Ground Strap	OPTION 34 ø.126 Thru Hole #4-40 Threaded Insert Top Side Ground Strap
OPTION 35 ø.126 Thru Hole #4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap	OPTION 36 ø.126 Thru Hole #4-40 Threaded Insert Top Side Ground Strap	OPTION 43 #4-40 Threaded Hole #4-40 Fixed Jackscrew Top Side Ground Strap
OPTION 44 #4-40 Threaded Hole #4-40 Threaded Insert Top Side Ground Strap	OPTION 45 #4-40 Threaded Hole #4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap	OPTION 46 ø.120 Thru Hole #4-40 Threaded Hole Top Side Ground Strap