

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 bifurcated contacts
- Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

SPECIFICATIONS:

Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0
 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.

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:

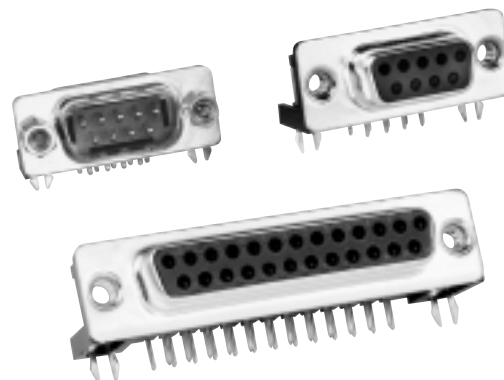
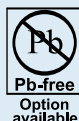
Operating temperature: -65°C to +125°C

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

BOARD MOUNTING OPTIONS

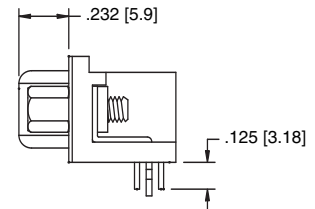
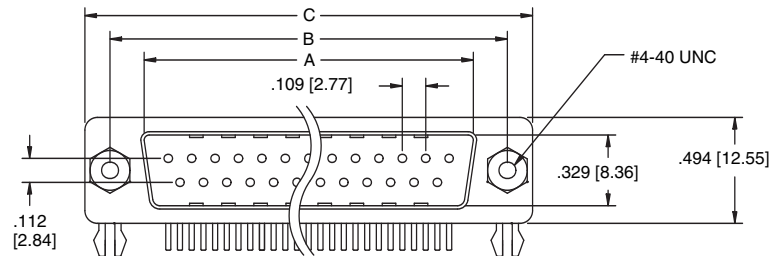
1 = Wrap around ground straps with holes
 2 = Forked board locks
 3 = Top side only ground straps with holes
 4 = Top side only ground straps with #4-40 threaded screw holes



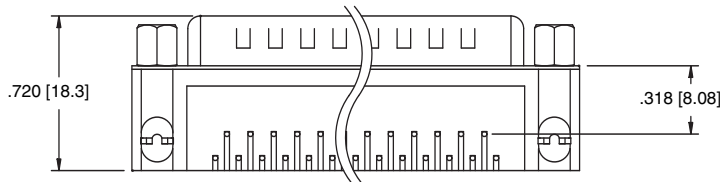
OPTIONS:

Add designator(s) to end of part number
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
R = Round jackscrews
RC = RoHS compliant lead-free product with Hi-Temp insulator
PF = Press fit pins

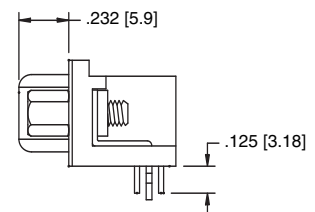
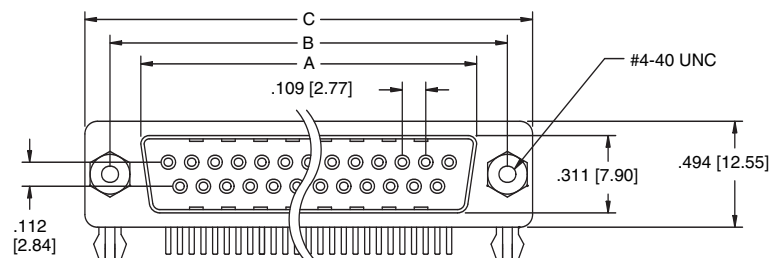
PLUG



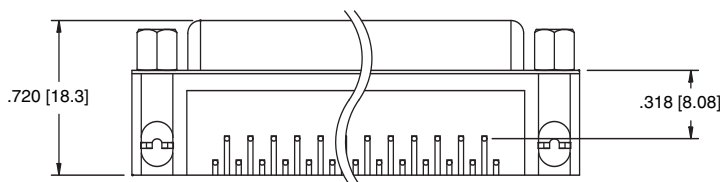
DB25-PL-25



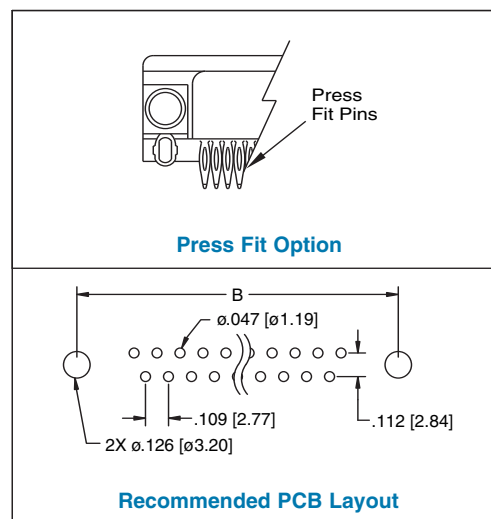
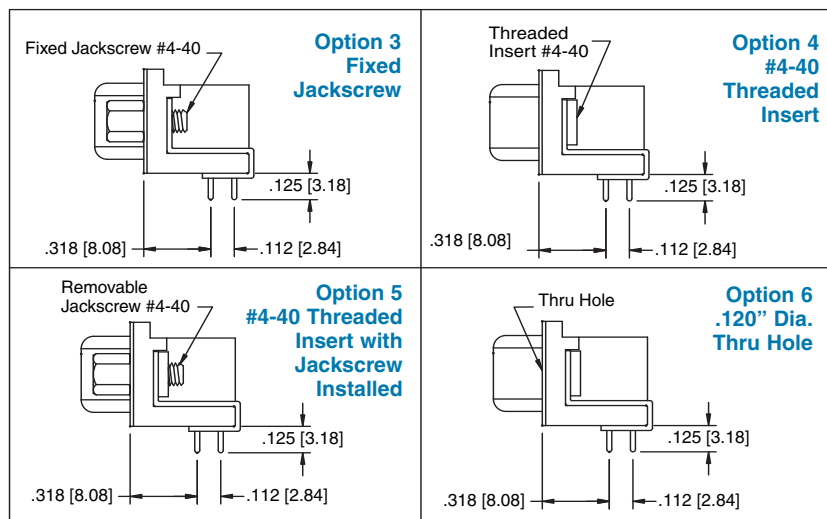
SOCKET



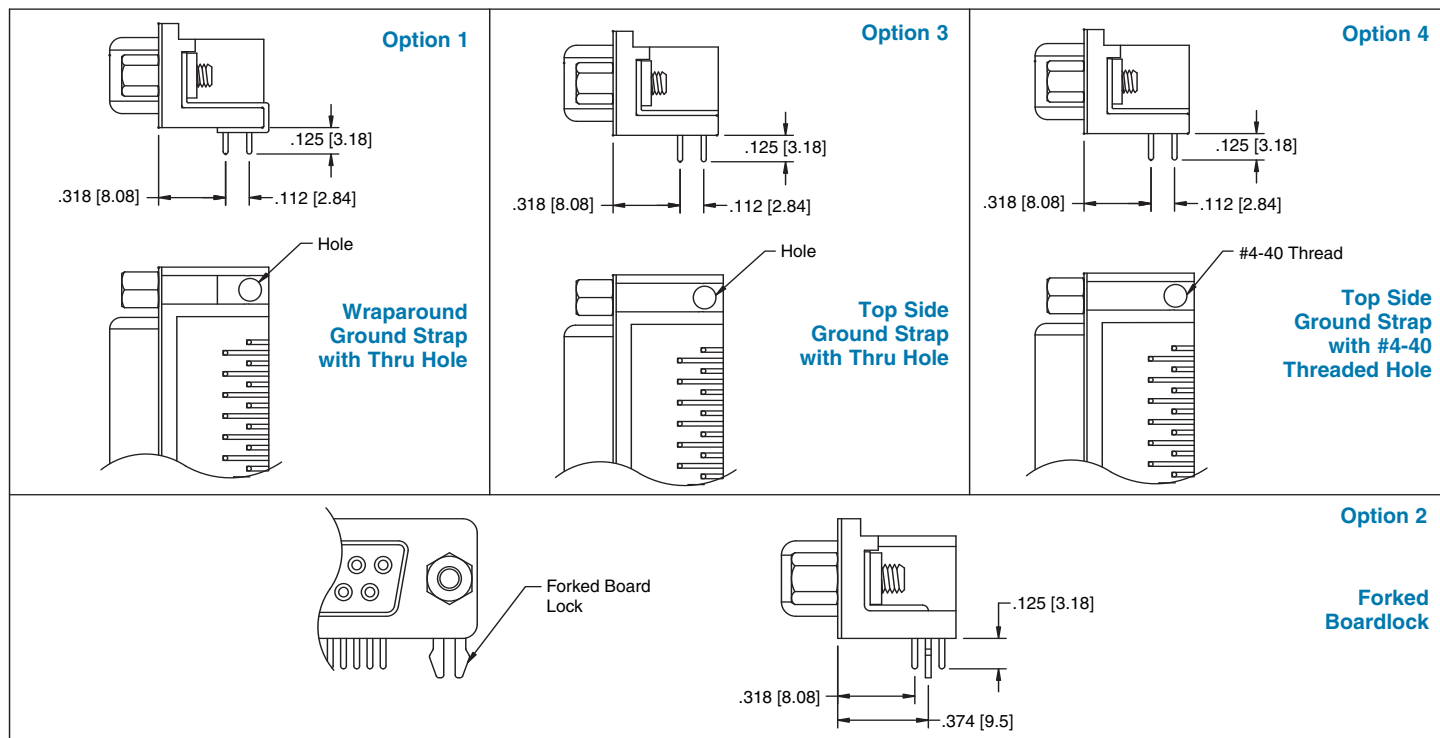
DB25-SL-24



MATING FACE MOUNTING OPTIONS



PC BOARD MOUNTING OPTIONS



Unit: Inch / mm

POSITIONS	Socket Dimensions			POSITIONS	Plug Dimensions		
	A	B	C		A	B	C
9	.643 (16.33)	.984 (24.99)	1.213 (30.81)	9	.666 (16.92)	.984 (24.99)	1.213 (30.81)
15	.971 (24.66)	1.312 (33.32)	1.541 (39.14)	15	.994 (25.25)	1.312 (33.32)	1.541 (39.14)
25	1.511 (38.38)	1.852 (47.04)	2.088 (53.04)	25	1.534 (38.96)	1.852 (47.04)	2.088 (53.04)
37	2.159 (54.84)	2.500 (63.50)	2.729 (69.32)	37	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)