

INTRODUCTION:

Adam Tech Flush Mount Straight PCB tail D-Sub connectors are a popular interface for many limited space I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

FEATURES:

- Low profile space saving design
- 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 overall.

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:

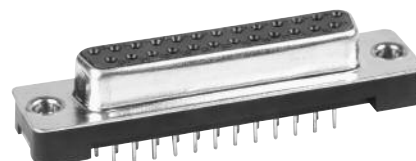
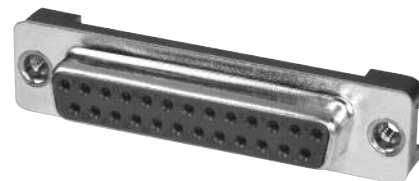
Operating temperature: -65°C to +125°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION

DB25

SA

M2

SHELL SIZE/ POSITIONS

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

CONTACT TYPE

PA = Plug, Flush mount,
 Straight PCB Tail
 SA = Socket, Flush Mount,
 Straight PCB Tail

MOUNTING OPTIONS

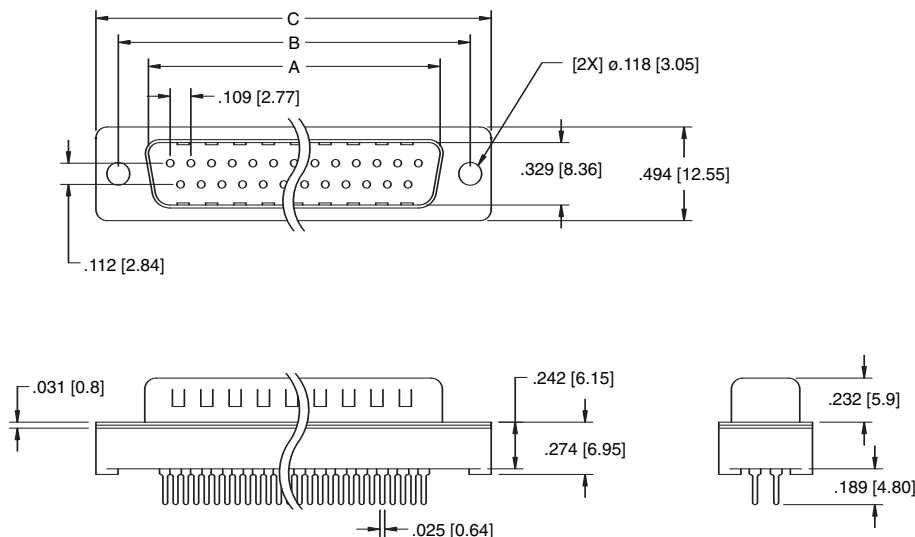
M1 = Thru Holes
 Mounting
 M2 = Threaded Holes
 Mounting
 M1-R3 = Riveted Round
 Jackscrews
 M1-R-BL = Riveted Round
 Jackscrews with
 Boardlock
 M2-JS = Threaded Hole
 Mounting with
 removable
 Jackscrews
 M2-BL = Riveted #4-40
 Internal Threaded
 Standoffs with
 Boardlocks
 M2-BL-JS = Removable
 Jackscrew with
 Boardlock

OPTIONS:

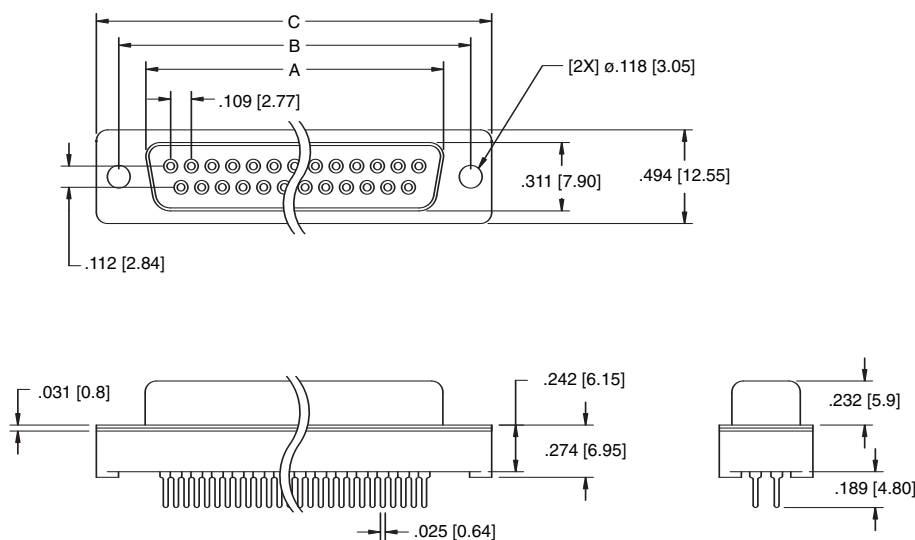
Add designator(s) to end of part number
 15 = 15 µin gold plating in contact area
 30 = 30 µin gold plating in contact area
 PF = Press Fit Pins
 HT = Hi-Temp insulator for hi-temp soldering
 processes up to 260°C

MOUNTING OPTIONS

PLUG

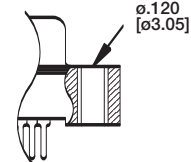


SOCKET



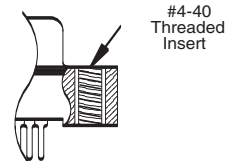
M1 Option

Thru-Hole
Mounting



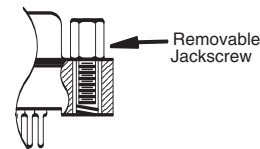
M2 Option

Threaded Hole
Mounting



M2-JS

Threaded Hole
Mounting with
removable
Jack Screws



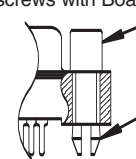
M1-R3

Riveted Round
Jackscrews



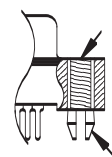
M1-R-BL

Riveted Round
Jackscrews with Boardlock



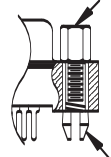
M2-BL

#4-40 Threaded
Insert with Boardlock

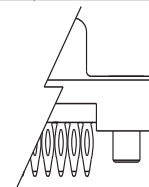


M2-BL-JS

Removable Jackscrew
with Boardlock

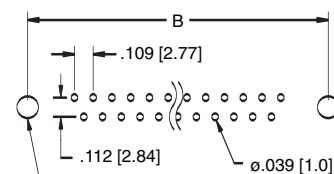


Press Fit PCB Tail Option



Unit: Inch [mm]

Positions	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]



Recommended PCB Layout