

### 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  $\mu$ m optional) over Nickel underplate overall.

#### 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 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

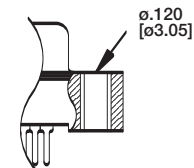
#### OPTIONS:

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

### MOUNTING OPTIONS

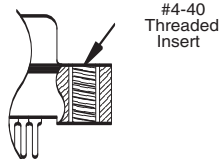
#### M1 Option

Thru-Hole Mounting



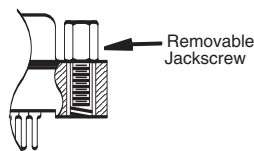
#### M2 Option

Threaded Hole Mounting



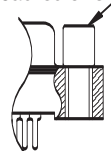
#### M2-JS

Threaded Hole Mounting with removable Jack Screws



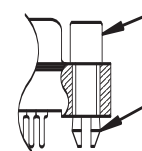
#### M1-R3

Riveted Round Jackscrews



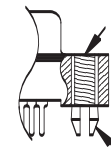
#### M1-R-BL

Riveted Round Jackscrews with Boardlock



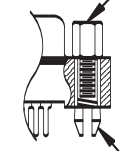
#### M2-BL

#4-40 Threaded Insert with Boardlock

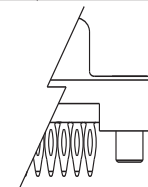


#### M2-BL-JS

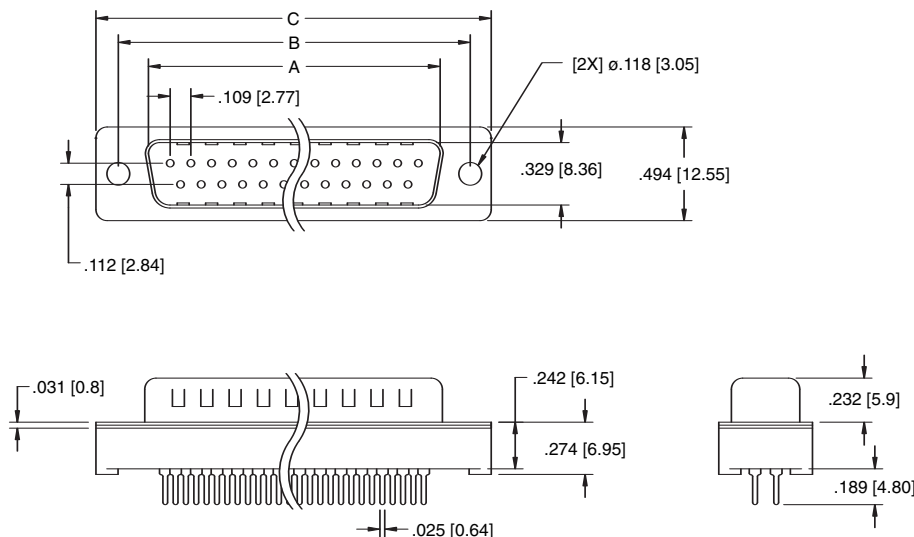
Removable Jackscrew with Boardlock



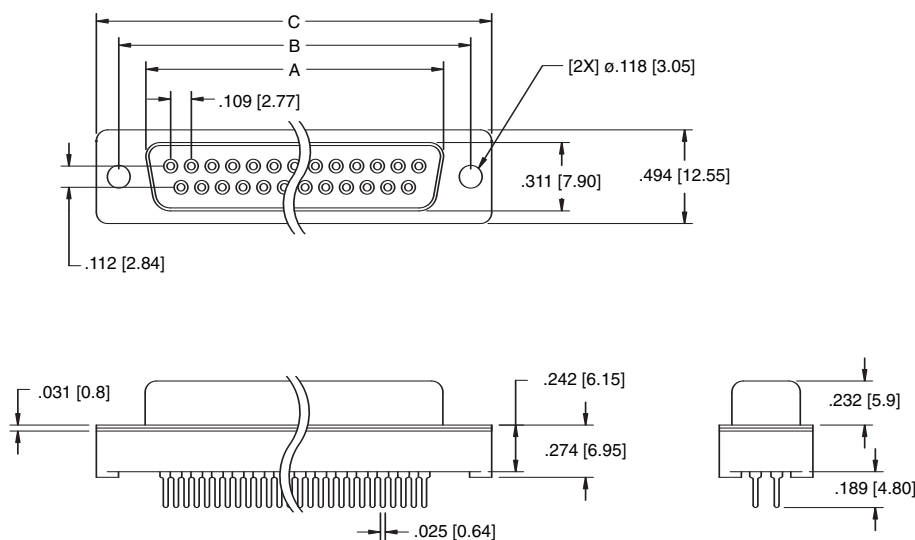
#### Press Fit PCB Tail Option



### PLUG

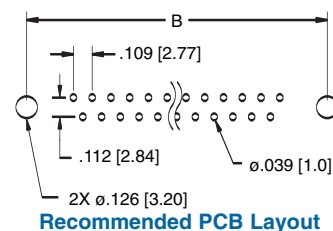


### SOCKET



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