

#### 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:

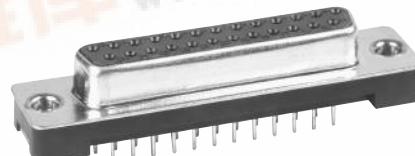
Operating temperature: -65°C to +125°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

##### PACKAGING:

Anti-ESD plastic trays

##### APPROVALS AND CERTIFICATIONS:

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



#### ORDERING INFORMATION

DB25

SHELL SIZE/  
POSITIONS

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

SA

##### CONTACT TYPE

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

M2

##### 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

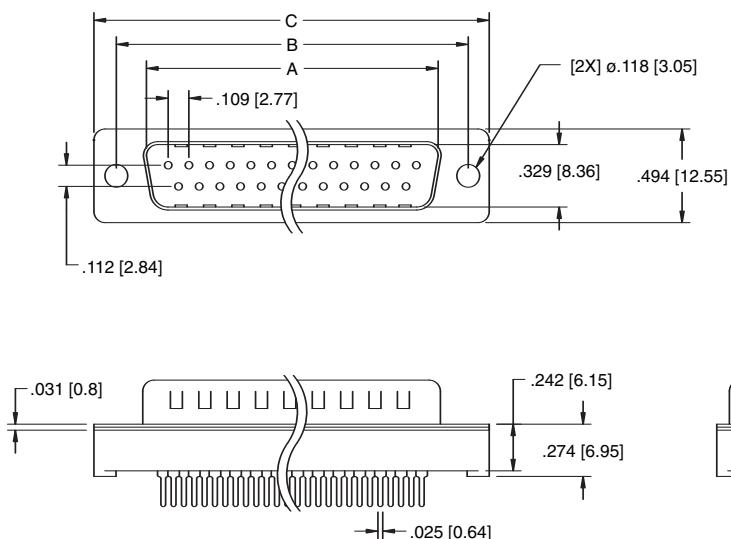
30 = 30 µin gold plating in contact area

PF = Press Fit Pins

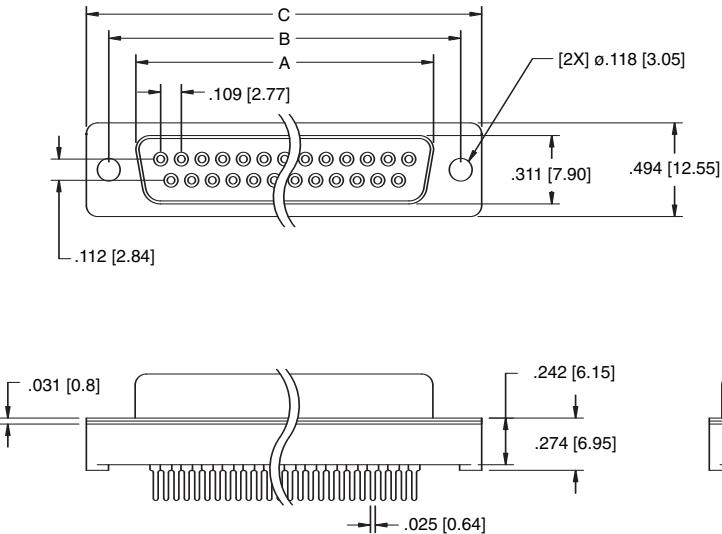
HT = Hi-Temp insulator for hi-temp soldering  
processes up to 260°C

### MOUNTING OPTIONS

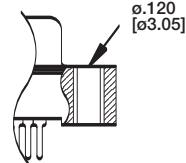
#### PLUG



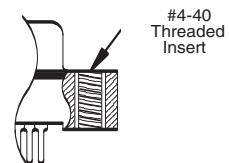
#### SOCKET



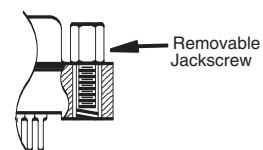
#### M1 Option Thru-Hole Mounting



#### M2 Option Threaded Hole Mounting



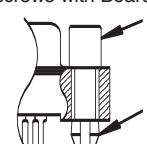
#### M2-JS Threaded Hole Mounting with removable Jack Screws



#### M1-R3 Riveted Round Jackscrews



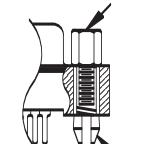
#### M1-R-BL Riveted Round Jackscrews with Boardlock



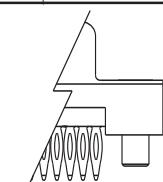
#### M2-BL #4-40 Threaded Insert with Boardlock



#### 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]

