

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 over Nickel underplate on contact area.

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:

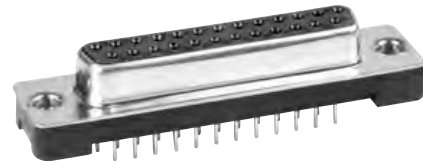
Operating temperature: -55°C to +105°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



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

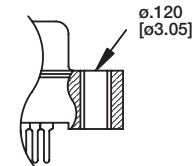
M1 = Thru Hole Mounting
M2 = #4-40 Threaded
mounting holes
M1-R3 = Round Jackscrews
on top side
M2-R-BL = Round Jackscrews
on top side with
Boardlocks
underneath
M2-JS = #4-40 Threaded
Holes with removable
Jackscrews
M2-BL = Riveted #4-40
Internal Threaded
Standoffs with
Boardlocks
M2-BL-JS = Removable
Jackscrews with
Boardlocks

OPTIONS:

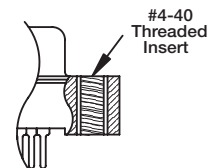
Add designator[s] to end of part number
15 = 15 μin gold plating in contact area
30 = 30 μin gold plating in contact area
PF = Press Fit Pins
HT = Hi-Temp insulator for hi-temp soldering
processes up to 260°C

MOUNTING OPTIONS

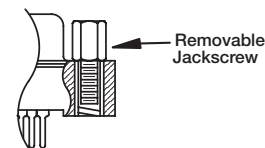
M1 Option
Thru-Hole
Mounting



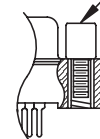
M2 OPTION
Threaded Hole
Mounting



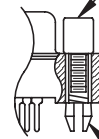
M2-JS
Threaded Hole
Mounting with
removable
Jack Screws



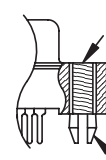
M1-R3
Round
Jackscrews



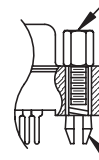
M2-R-BL
Round Jackscrews
with Boardlock



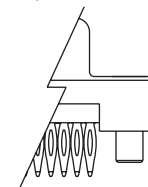
M2-BL
#4-40 Threaded
Insert with Boardlock



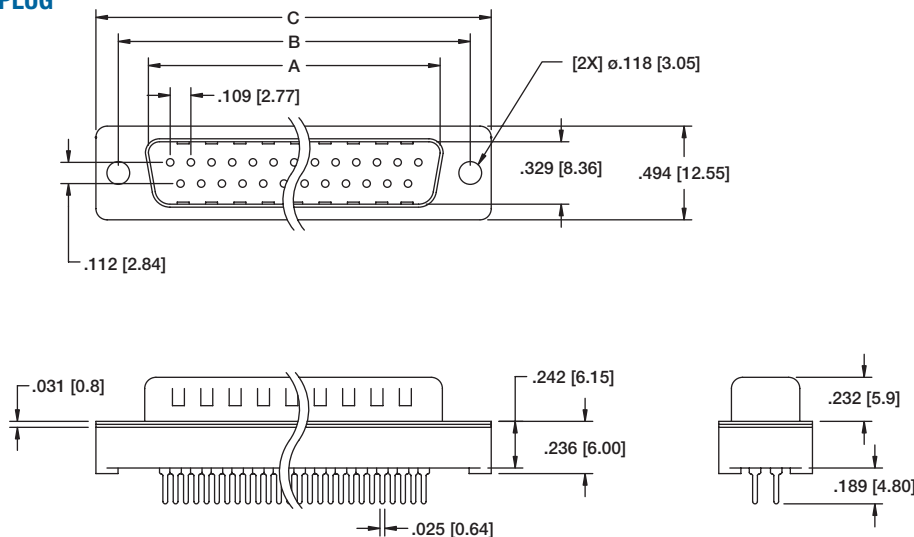
M2-BL-JS
Removable Jackscrew
with Boardlock



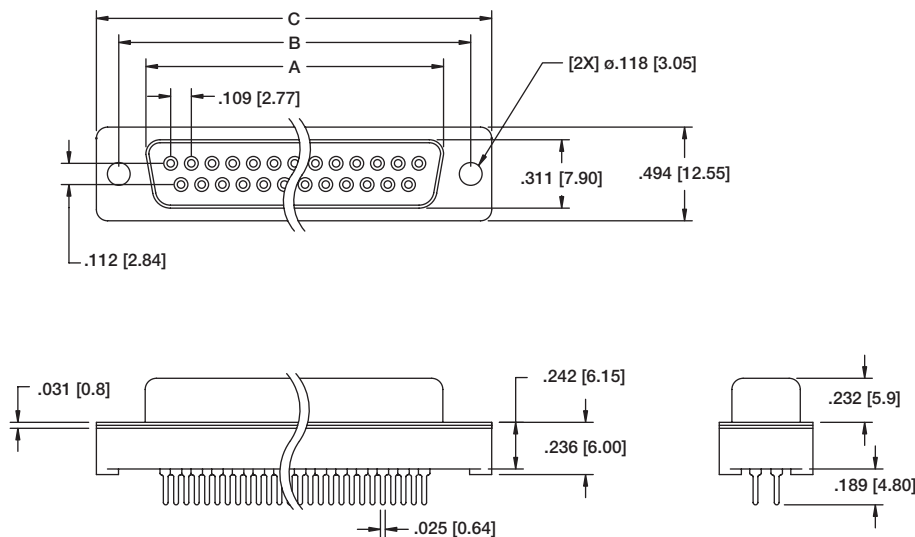
**Press
Fit PCB Tail
Option**



PLUG

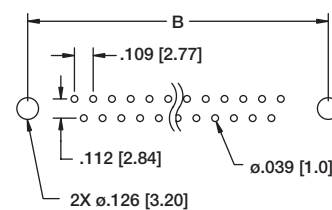


SOCKET



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