

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 μ in optional) over Nickel underplate overall.

Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 m Ω max. Initial

Insulation resistance: 5000 M Ω 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

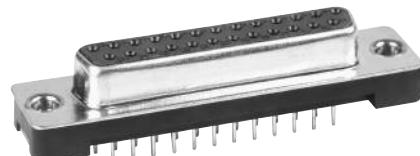
PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION

DB25

SA

M2

SHELL SIZE/ POSITIONS

DE09 = 9 Position

DA15 = 15 Position

DB25 = 25 Position

DC37 = 37 Position

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

CONTACT TYPE

PA = Plug, Flush mount,
Straight PCB Tail

SA = Socket, Flush Mount,
Straight PCB Tail

OPTIONS:

Add designator[s] to end of part number

15 = 15 μ in gold plating in contact area

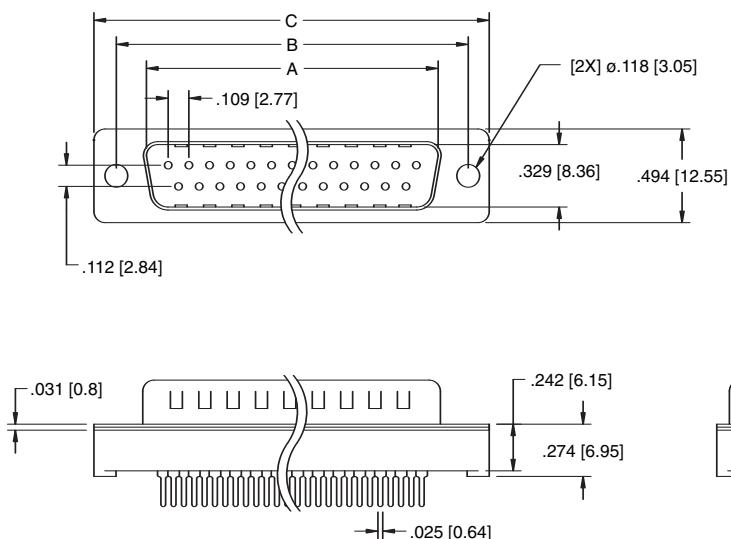
30 = 30 μ in gold plating in contact area

PF = Press Fit Pins

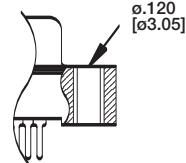
HT = Hi-Temp insulator for hi-temp soldering
processes up to 260°C

MOUNTING OPTIONS

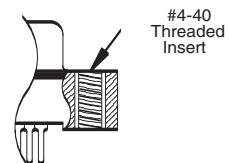
PLUG



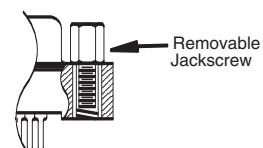
M1 Option
Thru-Hole Mounting



M2 Option
Threaded Hole Mounting



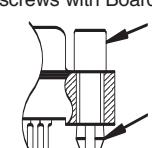
M2-JS
Threaded Hole Mounting with removable Jack Screws



M1-R3
Riveted Round Jackscrews



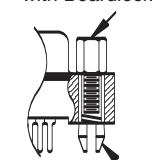
M1-R-BL
Riveted Round Jackscrews with Boardlock



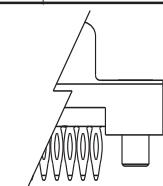
M2-BL
#4-40 Threaded Insert with Boardlock



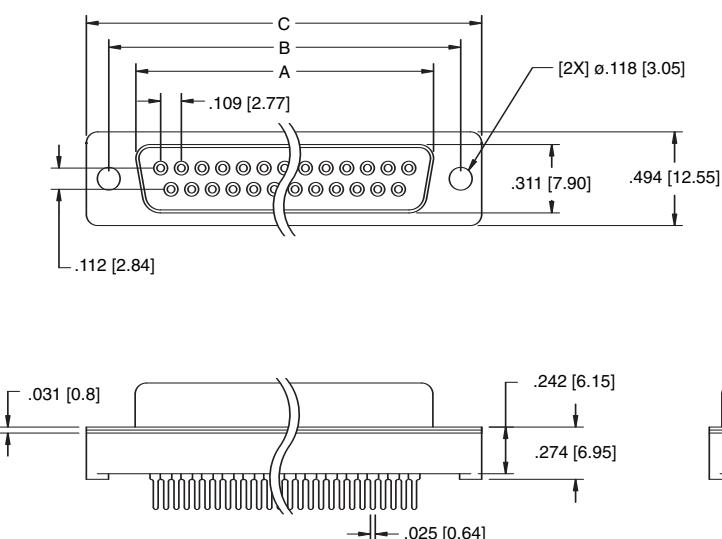
M2-BL-JS
Removable Jackscrew with Boardlock



Press Fit PCB Tail Option

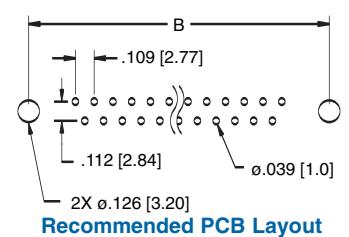


SOCKET



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]



Mouser Electronics

Authorized Distributor

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[DB25-PA-M2](#)