D-SUBMINIATURE

FLUSH MOUNT STRAIGHT PCB TAIL

DPA & DSA SERIES

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: -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 & CSA Certified, File no. E224053

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RoHS COMPLIANT

HI-TEMP INSULATOR AVAILABLE

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 = Riveted Round Jackscrews on top side
M2-R-BL = Riveted 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

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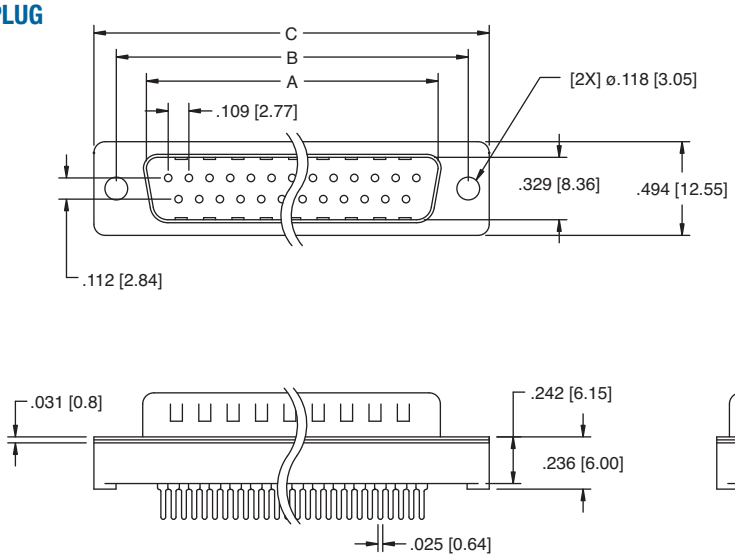
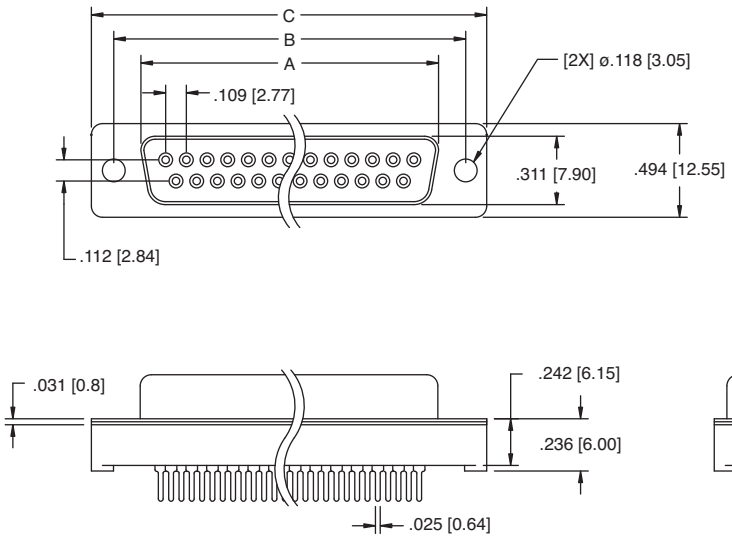
PLUG

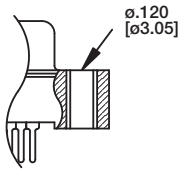


SOCKET

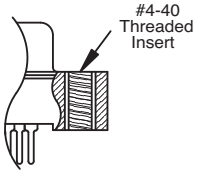


MOUNTING OPTIONS

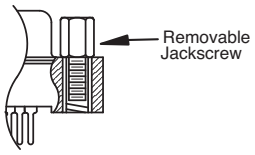
M1 Option
Thru-Hole Mounting



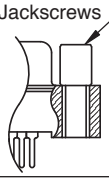
M2 Option
Threaded Hole Mounting



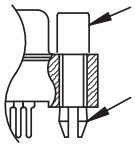
M2-JS
Threaded Hole Mounting with removable Jack Screws



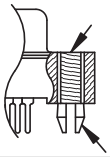
M1-R3
Riveted Round Jackscrews



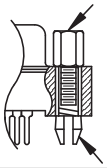
M2-R-BL
Riveted Round Jackscrews with Boardlock



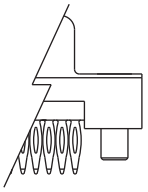
M2-BL
#4-40 Threaded Insert with Boardlock

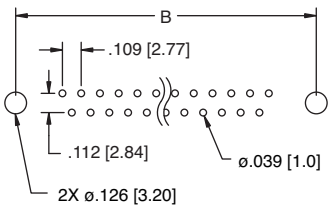


M2-BL-JS
Removable Jackscrew with Boardlock



Press Fit PCB Tail Option





Recommended PCB Layout

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]