

### INTRODUCTION:

Adam Tech Straight PCB tail High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a good choice for a low cost industry standard high density connection. 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:

- High Density pin count in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T rated UL94V-0  
Insulator Colors: Black (White optional)  
Contacts: Phosphor Bronze  
Shell: Steel, Tin or Zinc plated  
Hardware: Brass, Nickel plated

#### Contact Plating:

Gold flash (15 and 30  $\mu$ in 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: -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



# HIGH DENSITY D-SUB

## STRAIGHT PCB TAIL HDT SERIES



### ORDERING INFORMATION

HDT

15

ST

#### SERIES INDICATOR

HDT = High Density  
D-Sub

#### CONTACT TYPE

PT = Plug,  
Straight PCB Tail

ST = Socket,  
Straight PCB Tail

#### POSITIONS

15, 26, 44, 62, 78

#### OPTIONS:

Add designator(s) to end of part number

WT = White color insulator

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

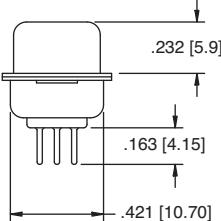
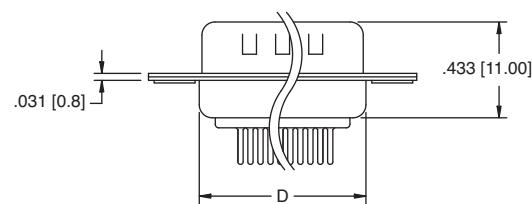
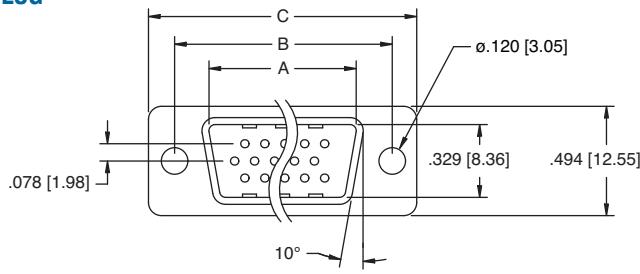
SL = Riveted #4-40 Clinch Nuts

JS = Riveted #4-40 Jackscrews

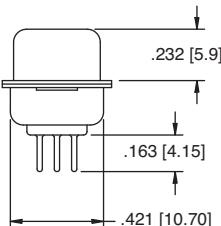
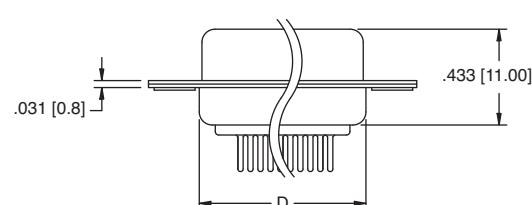
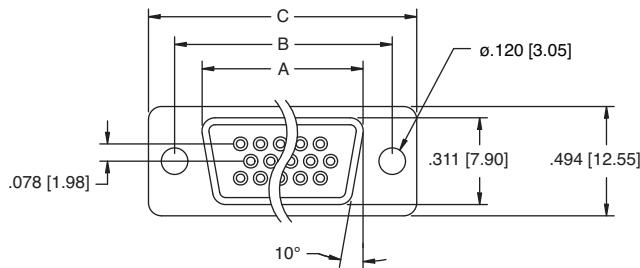
BL = Riveted #4-40 Internal Threaded Standoffs  
with Boardlocks

EMI = Ferrite filtered version for EMI / RFI  
suppression (Page 114)

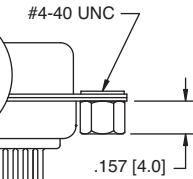
### PLUG



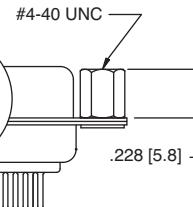
### SOCKET



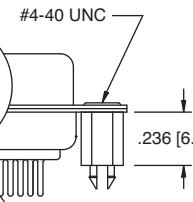
### MOUNTING OPTIONS



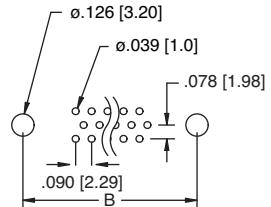
**SL Option**  
Bottom side riveted #4-40 Clinch Nuts



**JS Option**  
Top side riveted #4-40 Jack Screws



**BL Option**  
Bottom side riveted #4-40 Clinch Nuts with PCB Boardlocks



Recommended PCB Layout

Unit: Inch [mm]

Positions	PLUG	SOCKET	DIMENSIONS		
	A	A	B	C	D
15	.666 [16.92]	.643 [16.33]	.984 [24.99]	1.213 [30.81]	.759 [19.28]
26	.994 [25.25]	.971 [24.66]	1.312 [33.32]	1.541 [39.14]	1.083 [27.51]
44	1.534 [38.96]	1.511 [38.38]	1.852 [47.04]	2.088 [53.04]	1.626 [41.30]
62	2.182 [55.43]	2.159 [54.84]	2.500 [63.50]	2.729 [69.32]	2.271 [57.70]
78	2.079 [52.81]	2.064 [52.43]	2.406 [61.11]	2.635 [66.93]	2.099 [55.32]

# Mouser Electronics

Authorized Distributor

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## ADAM TECH:

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[HDT15-ST](#) [HDT15-ST-BL](#) [HDT15-ST-SL-JS](#) [HDT15-PT-SL-JS](#) [HDT15-ST-SL](#) [HDT26-PT-BL](#) [HDT15-PT-SL](#)  
[HDT26-PT](#) [HDT26-PT-SL](#) [HDT26-PT-SL-JS](#) [HDT26-ST](#) [HDT15-PT-BL](#) [HDT26-ST-SL-JS](#)