

## INTRODUCTION:

Adam Tech Right Angle SMT Slimline D-Sub connectors are a popular interface for many 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:

- Short 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:

Insulator: Hi-Temperature thermoplastic, rated UL94V-0  
Insulator Color: Black  
Contacts: Phosphor Bronze or Brass  
Shell: Steel, Tin or Zinc plated  
Hardware: Brass, Nickel plated

### Contact Plating:

Gold flash (15 and 30  $\mu$ in optional) over Nickel underplate on mating area, Tin over Copper underplate on SMT tails.

### Electrical:

Operating voltage: 250V AC / DC max.  
Current rating: 1 Amp 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: 260°C

## PACKAGING:

Anti-ESD plastic trays

## APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



## ORDERING INFORMATION

DB25

SS

24

### SHELL SIZE/ POSITIONS

DE09 = 9 Positions  
DB25 = 25 Positions  
HDL15 = High Density  
15P

### MOUNTING OPTIONS

24 = Forked Boardlocks  
for PCB Retention and  
#4-40 threaded inserts  
in mounting holes  
25 = Forked Boardlocks  
for PCB retention and  
#4-40 threaded inserts  
in mounting holes with  
installed jackscrews

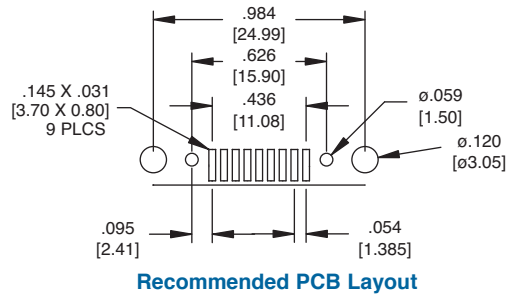
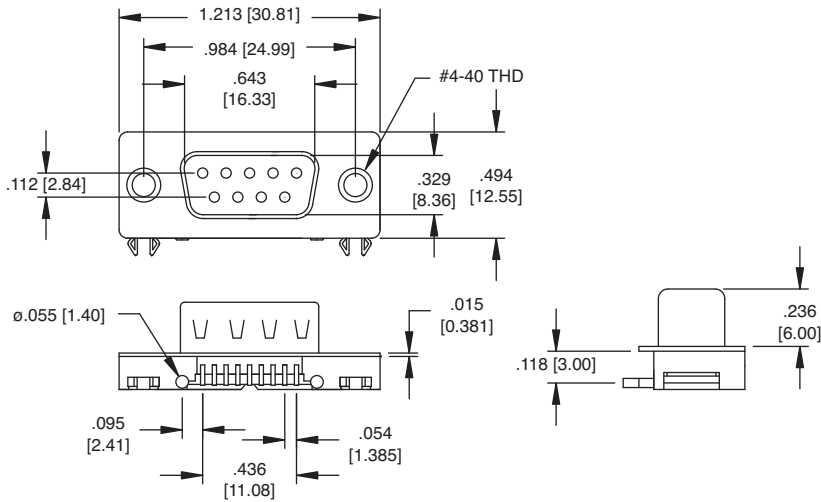
### CONTACT / TYPE

PS = Plug Surface Mount  
SS = Socket Surface Mount

## OPTIONS:

Add designator(s) to end of part number  
15 = 15  $\mu$ in gold plating in contact area  
30 = 30  $\mu$ in gold plating in contact area  
R = Round jackscrews

## 9P PLUG

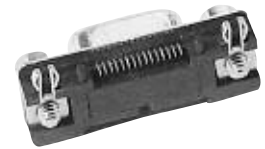
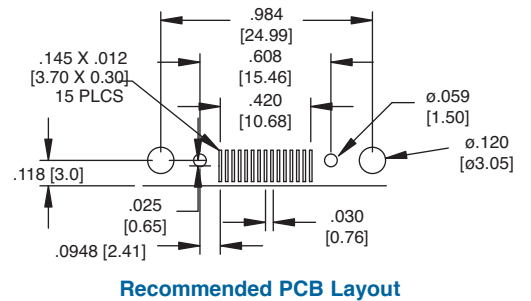
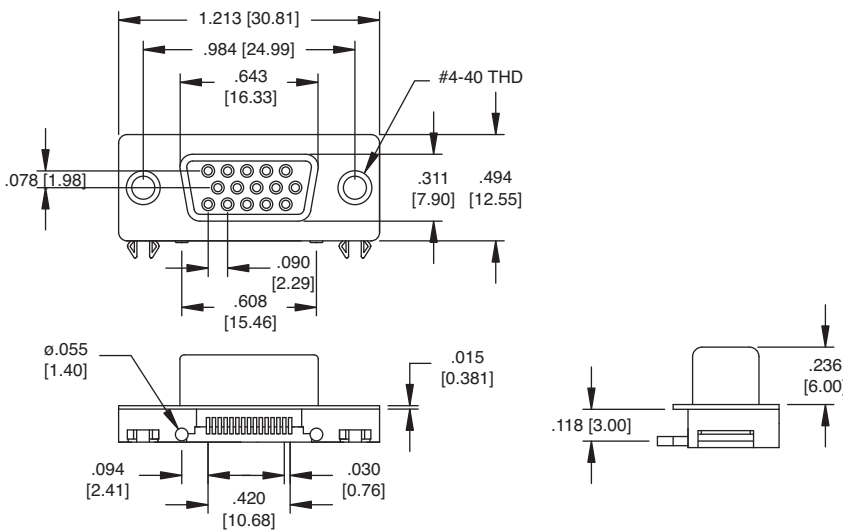


DE09-SS-24



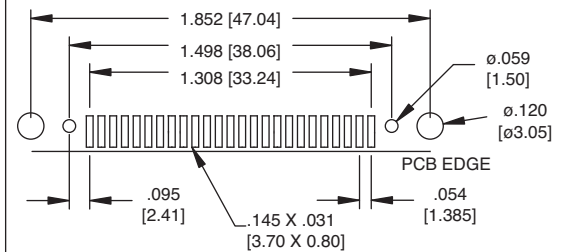
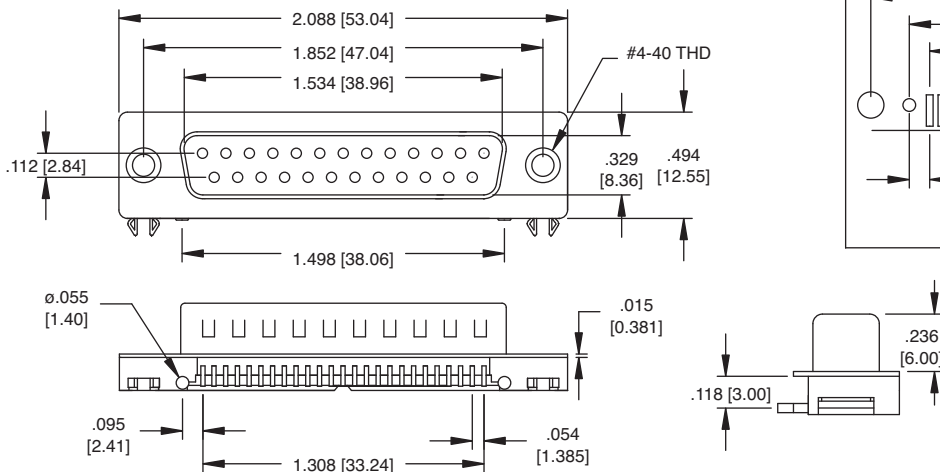
DE09-PS-25

## HD15 SOCKET



HDL15-SS-25

## 25P PLUG



DB25-PS-24