

#### INTRODUCTION

Adam Tech Right Angle .283" footprint Machine Contact PCB D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a high reliability industry standard connection. These connectors are manufactured with precision machine turned contacts and offer an exceptional high reliability connection. They are available in a choice of contact plating and a wide selection of mating and mounting options.

#### FEATURES:

- Exceptional Machine Contact connection
- Industry standard compatibility
- Durable metal shell design
- Precision turned screw machined 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 rated UL94V-0  
Insulator Colors: White (Black optional)  
Contacts: Phosphor Bronze  
Shell: Steel, Tin plated  
Hardware: Brass, Nickel plated

##### Contact Plating:

Gold Flash (15 and 30  $\mu$ m Optional) over Nickel underplate.

##### 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: -65°C to +125°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

#### PACKAGING:

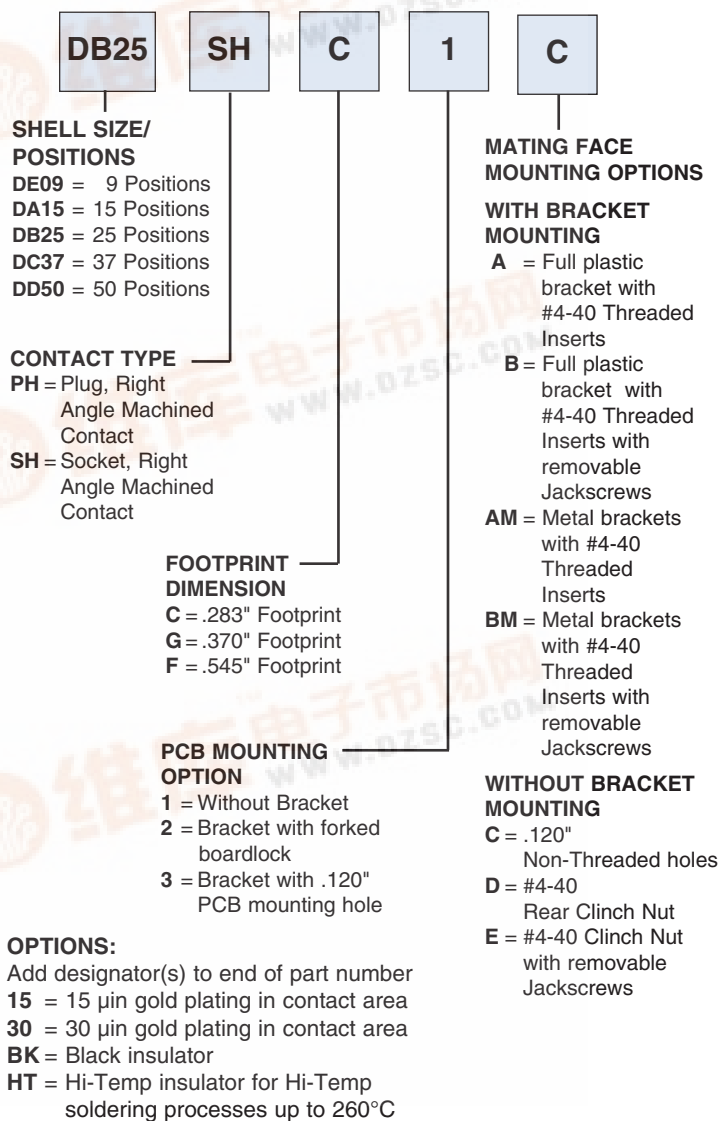
Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

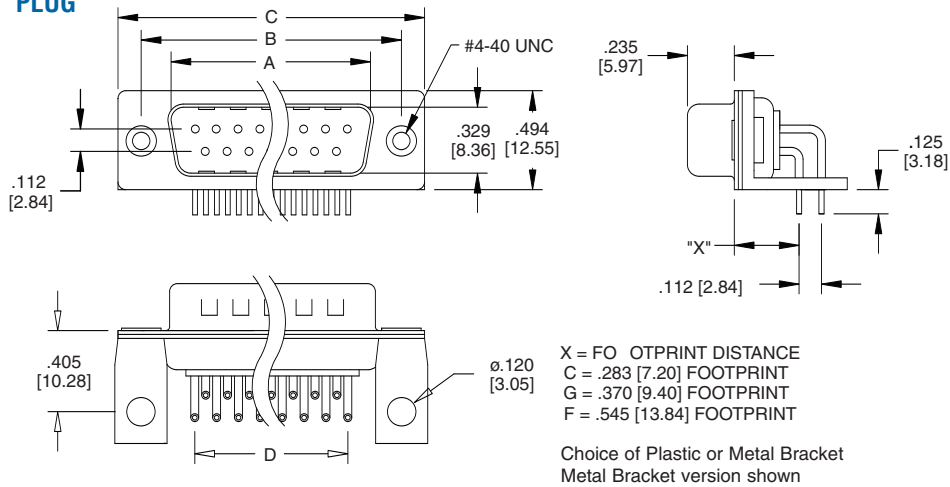
UL Recognized File No. E224053  
CSA Certified File No. LR1578596



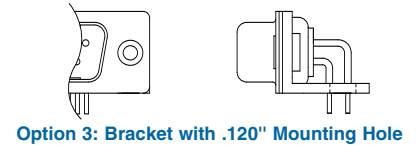
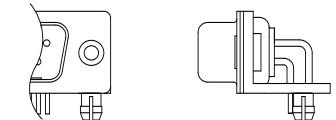
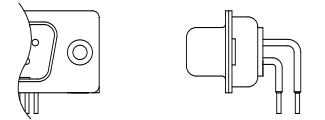
#### ORDERING INFORMATION



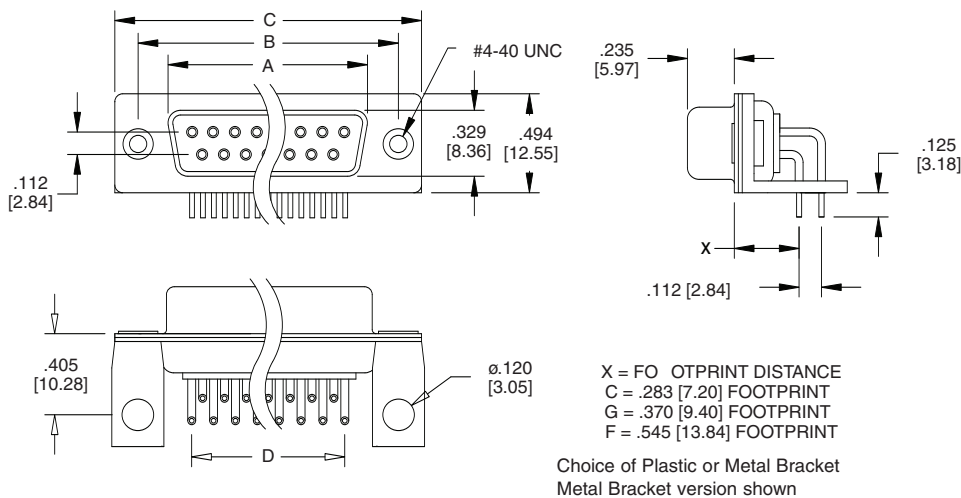
### PLUG



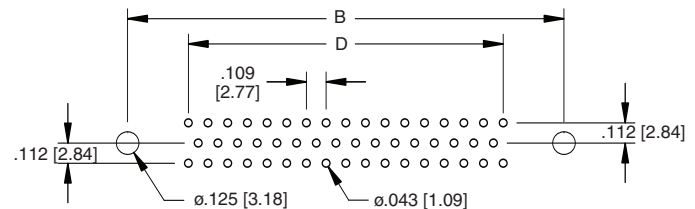
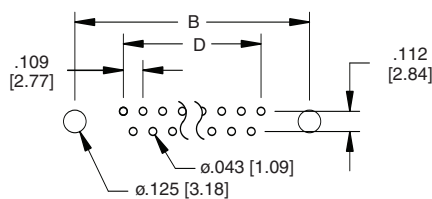
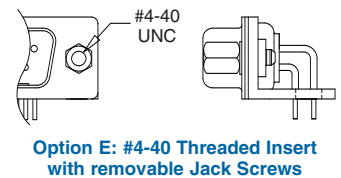
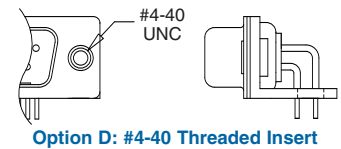
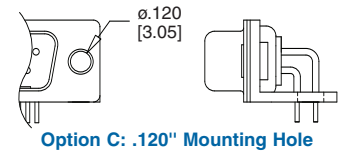
### PCB MOUNTING OPTIONS



### SOCKET



### MATING FACE MOUNTING OPTIONS



Recommended PCB Layout 9, 15, 25 & 37 Position

Recommended PCB Layout 50 Position

Unit: Inch / mm

Positions	PLUG	SOCKET	DIMENSIONS		
	A	A	B	C	D
9	.666 [16.92]	.643 [16.33]	.984 [24.99]	1.213 [30.81]	.436 [11.08]
15	.994 [25.25]	.971 [24.66]	1.312 [33.32]	1.541 [39.14]	.763 [19.39]
25	1.534 [38.96]	1.511 [38.38]	1.852 [47.04]	2.088 [53.04]	1.310 [33.24]
37	2.182 [55.43]	2.159 [54.84]	2.500 [63.50]	2.729 [69.32]	1.963 [49.86]
50	2.790 [52.80]	2.016 [52.34]	2.402 [61.00]	2.646 [67.20]	1.744 [44.32]