

### INTRODUCTION:

Adam Tech Flat Cable IDC D-Sub connectors are a popular interface for many I/O and cable assembly applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost industry standard connection that terminates .050" flat cable quickly, easily and compactly. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options. .

### FEATURES:

- Quickly terminates to flat cable
- Industry standard compatibility
- Durable metal shell design
- Integral strain relief available
- Precision formed bifurcated contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

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

### SPECIFICATIONS:

#### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0  
Insulator Colors: Black (Blue optional)  
Contacts: Phosphor Bronze  
Shell: Steel, Tin or Zinc plated  
Hardware: Brass, Nickel plated

#### Contact Plating:

Gold Flash (15 and 30  $\mu$ m Optional) over Nickel underplate, Nickel over copper underplate on IDC area

#### 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  
Recommended cable size: 28 to 30 Awg.

#### Temperature Rating:

Operating temperature: -65°C to +125°C

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

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



### ORDERING INFORMATION

DB25

SF

M

2

#### SHELL SIZE/ POSITIONS

DE09 = 9 Position  
DA15 = 15 Position  
DB25 = 25 Position  
DC37 = 37 Position  
DD50 = 50 Position

#### CONTACT TYPE

PF = Plug, IDC  
SF = Socket, IDC

#### Strain Relief

Part No.:  
DSR - xx  
(xx = No. of Positions)

#### MOUNTING

1 = .130" mounting holes  
2 = #4-40 threaded flush inserts (metal face only)

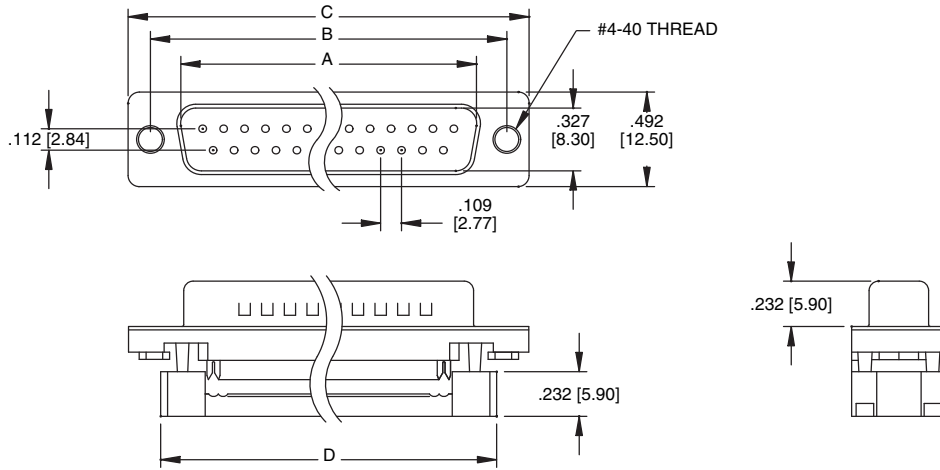
#### BODY CONSTRUCTION

M = Metal shell  
P = All plastic body

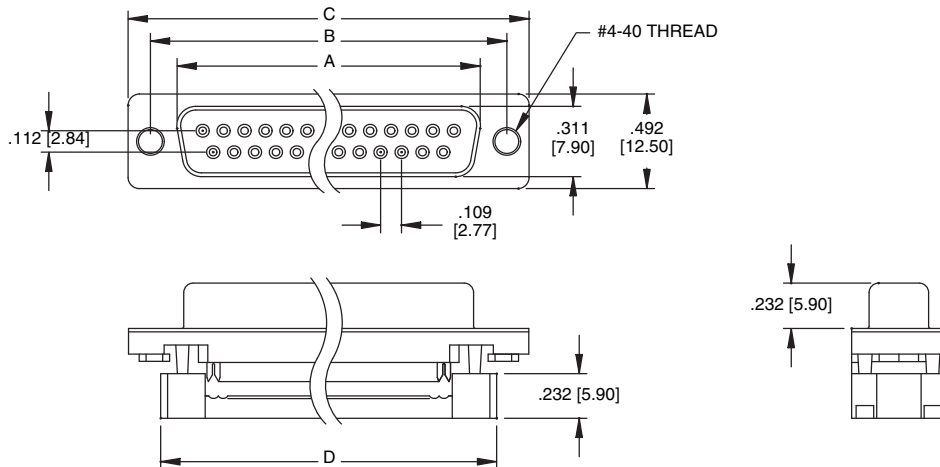
### OPTIONS:

Add designator(s) to end of part number  
30 = 30  $\mu$ m. gold in contact area  
BU = Blue color insulator

## PLUG



## SOCKET



Unit: Inch / mm

POSITIONS	Socket Dimensions			POSITIONS	Plug Dimensions		
	A	B	C		A	B	C
9	.643 (16.33)	.984 (24.99)	1.213 (30.81)	9	.666 (16.92)	.984 (24.99)	1.213 (30.81)
15	.971 (24.66)	1.312 (33.32)	1.541 (39.14)	15	.994 (25.25)	1.312 (33.32)	1.541 (39.14)
25	1.511 (38.38)	1.852 (47.04)	2.088 (53.04)	25	1.534 (38.96)	1.852 (47.04)	2.088 (53.04)
37	2.159 (54.84)	2.500 (63.50)	2.729 (69.32)	37	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)