

INTRODUCTION:

Adam Tech Right Angle .590" footprint PCB D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are an excellent choice for a low cost industry standard connection. They are available with full or half flanges. 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:

- Half or Full flange options
- Industry standard compatibility
- Durable metal shell design
- 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 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.

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: -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	SQ	SA	4
------	----	----	---

SHELL SIZE/ POSITIONS

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

MATING FACE MOUNTING OPTIONS

3 = #4-40 jack screws
 4 = #4-40 flush threaded inserts
 5 = #4-40 flush threaded inserts with removable jack screws installed
 6 = .120" non-threaded mounting holes

CONTACT TYPE

PQ = Plug,
 .590" Footprint
 SQ = Socket,
 .590" Footprint

BOARD MOUNTING OPTIONS

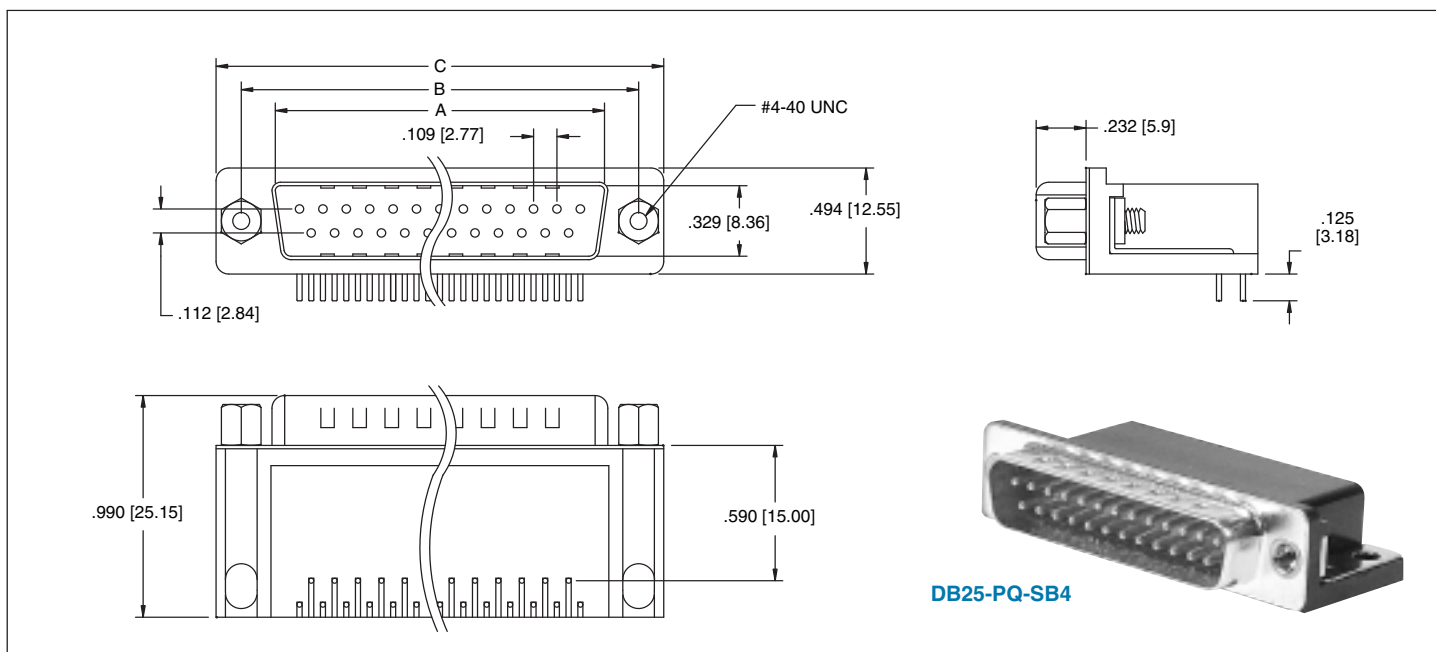
SA = Wrap around ground straps with screw holes on half flange
 SB = Wrap around ground straps with screw holes on full flange
 SC = Top side only ground straps with screw holes on half flange
 SD = Top side only ground straps with screw holes on full flange
 F = Forked boardlocks on half flange
 R = Forked boardlocks on full flange



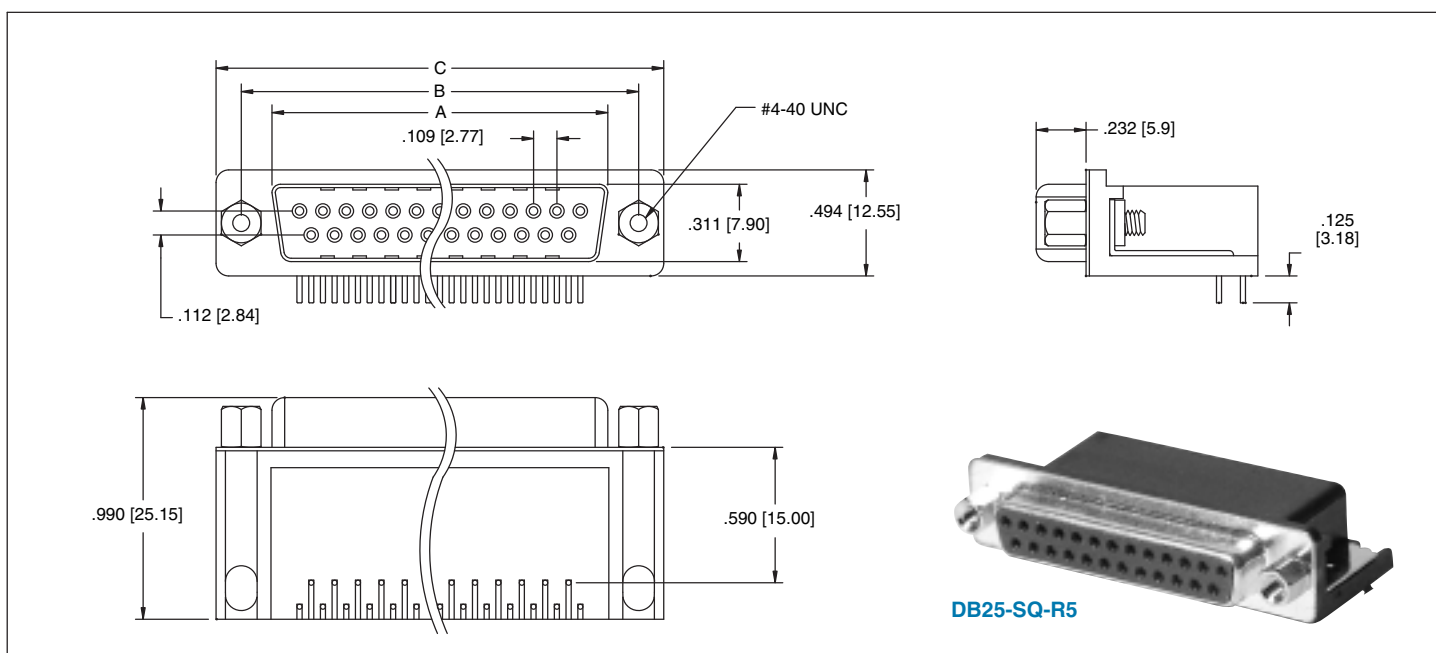
OPTIONS:

Add designator(s) to end of part number
 30 = 30 µin gold plating in contact area
 EMI = Ferrite filtered version for EMI/RFI suppression
 LPJ = Loose packed jackscrews
 F = Superior retention 4 prong boardlocks
 HT = Hi-Temp insulator for Hi-Temp soldering processes
 R = Round jackscrews
 RC = RoHS compliant lead-free product with Hi-Temp insulator

PLUG



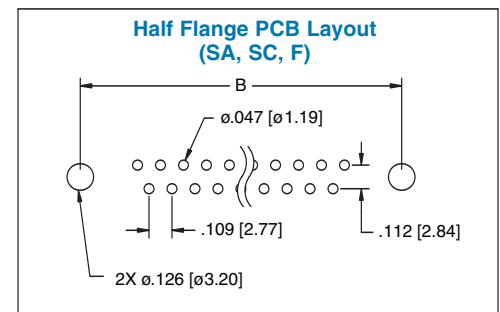
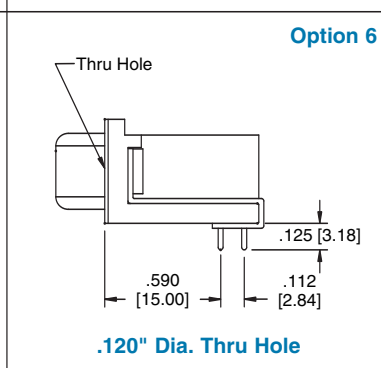
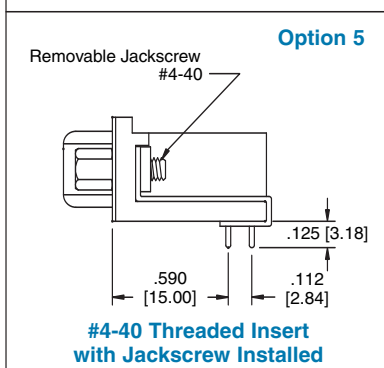
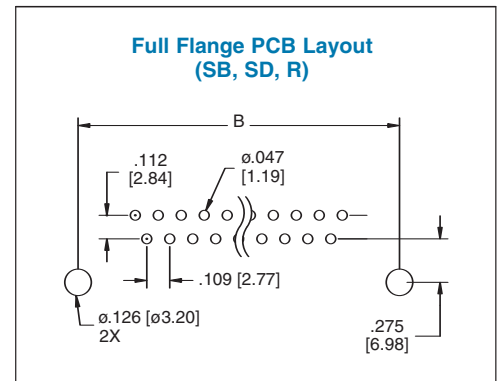
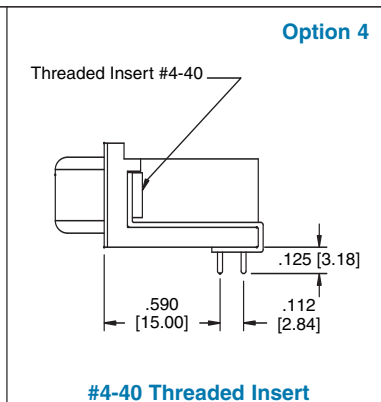
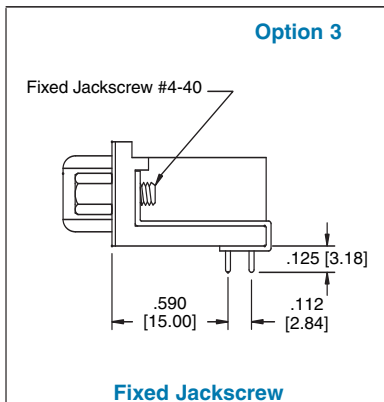
SOCKET



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)

MATING FACE MOUNTING OPTIONS



PCB MOUNTING OPTIONS

