

D-SUBMINIATURE

RIGHT ANGLE MACHINED CONTACT

DPH & DSH SERIES

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 µin Optional) over Nickel underplate.

Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 m Ω max. initial Insulation resistance: 5000 M Ω 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

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APPROVALS AND CERTIFICATIONS:

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







ORDERING INFORMATION



PCB MOUNTING OPTION

- 1 = Without Bracket
- 2 = Bracket with forked boardlock
- 3 = Bracket with .120" PCB mounting hole

OPTIONS:

Add designator(s) to end of part number **15** = 15 µin gold plating in contact area

30 = 30 μin gold plating in contact area

BK = Black insulator

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

MATING FACE MOUNTING OPTIONS

WITH BRACKET MOUNTING

C

- A = Full plastic bracket with #4-40 Threaded Inserts
- B = Full plastic bracket with #4-40 Threaded Inserts with removable Jackscrews
- AM = Metal brackets with #4-40 Threaded Inserts
- BM = Metal brackets
 with #4-40
 Threaded
 Inserts with
 removable

WITHOUT BRACKET MOUNTING

C = .120" Non-Threaded holes

D = #4-40 Rear Clinch Nut

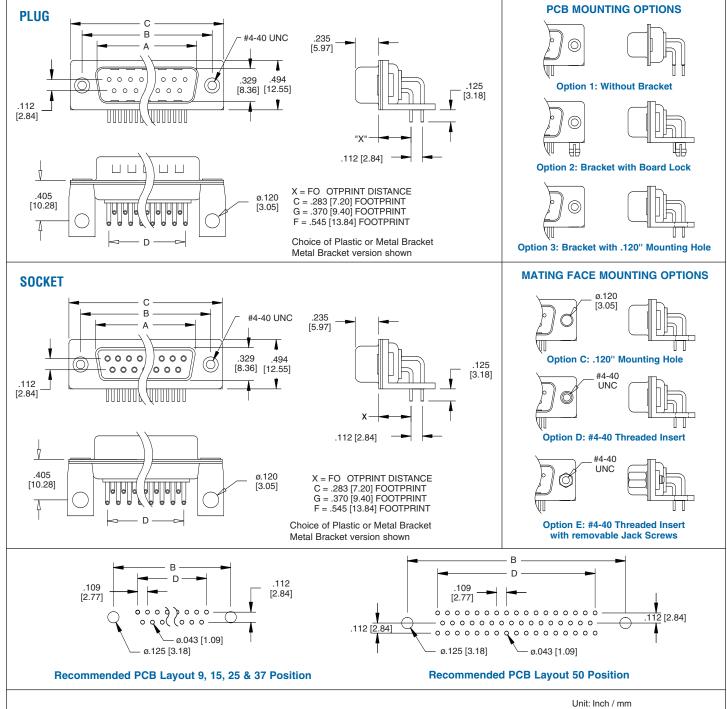
E = #4-40 Clinch Nut with removable Jackscrews



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					Unit: Inch / mm
Positions	PLUG	SOCKET	DIMENSIONS		
	А	Α	В	С	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]