# ADAM TECH

## Adam Technologies, Inc.

### **HIGH DENSITY D-SUB**

CRIMP AND POKE SYSTEM
HDT SERIES

#### INTRODUCTION:

Adam Tech Crimp and Poke High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a low cost alternative to soldering a high density connector to cable. Contacts are crimped onto discrete wires and pushed into the connector body. The connector is comprised of a metal shell and plastic insulator and is available with a variety of mating options. The contacts are precision stamped and are available in a variety of platings.

#### **FEATURES:**

High Density in standard size shell Low cost no solder alternative Industry standard compatibility Durable metal shell design Precision formed contacts Variety of Mating and mounting options

#### **MATING CONNECTORS:**

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

#### SPECIFICATIONS:

#### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Colors: Black (White optional)

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 overall.

#### **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 wire size: 22 to 28 Awg

#### **Temperature Rating:**

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

#### **PACKAGING:**

Anti-ESD plastic trays

#### **APPROVALS AND CERTIFICATIONS:**

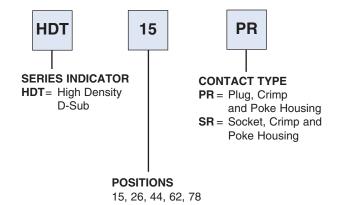
UL Recognized File No. E224053 CSA Certified File No. LR1578596



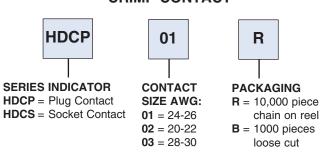




## ORDERING INFORMATION HOUSING



#### **CRIMP CONTACT**



#### **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

WT = White color insulator.

SL= Riveted #4-40 Clinch Nuts

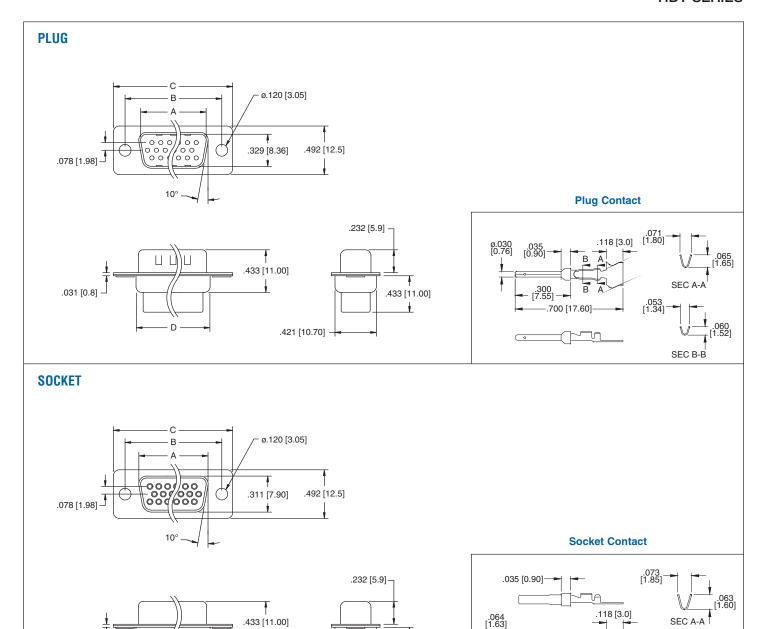
JS = Riveted #4-40 Jackscrews



.031 [0.8]-

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Unit: Inch [mm]

SEC B-B

В

.681 [17.30]

.283 [7.20]

Positions	PLUG	SOCKET	DIMENSIONS		
	A	А	В	С	D
15	.666 [16.92]	.643 [16.33]	.984 [24.99]	1.213 [30.81]	.759 [19.28]
26	.994 [25.25]	.971 [24.66]	1.312 [33.32]	1.541 [39.14]	1.083 [27.51]
44	1.534 [38.96]	1.511 [38.38]	1.852 [47.04]	2.088 [53.04]	1.626 [41.30]
62	2.182 [55.43]	2.159 [54.84]	2.500 [63.50]	2.729 [69.32]	2.271 [57.70]
78	2.079 [52.81]	2.064 [52.43]	2.406 [61.11]	2.635 [66.93]	2.099 [55.32]

.421 [10.70]

.433 [11.00]