

INTRODUCTION:

Adam Tech Right Angle PCB 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 good choice for a low cost industry standard hi density connection. 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:

- High Density in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed bifurcated 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: HDL Series: Black

HDVG Series: Blue

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

Contact Plating:

Gold Flash (15 and 30 μ m 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

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



SERIES INDICATOR

HDL = High Density D-Sub

HDVG = High Density VESA connector with recessed #9 pin and blue insulator

MOUNT OPTIONS

A = #4-40 Jackscrews and forked boardlocks

B = #4-40 Flush threaded inserts and forked boardlocks

C = #4-40 Flush threaded inserts with removable jackscrews and forked boardlocks

D = Topside ground straps with screw holes

POSITIONS
15, 26, 44, 62, 78

HI-TEMP INSULATOR AVAILABLE

CONTACT TYPE

PL = Plug, Right Angle Mount

SL = Socket, Right Angle Mount

OPTIONS:

Add designator(s) to end of part number

30 = 30 μ m gold plating in contact area

EMI = Ferrite filtered version for EMI / RFI suppression (Page 67)

F = Retention 4 prong boardlocks

HT = Hi-Temp insulator for Hi-Temp soldering processes

RC = RoHS compliant lead-free product with Hi-Temp insulator

PLUG

HDL15-PL-B

Four Prong Boardlock Option

SOCKET

HDL15-SL-B

15 Position PCB Layout

26, 44, 62 Position PCB Layout

Hi Density Video Graphics Connector

HDTV15-SL-B

Unit: Inch / mm

Positions	SOCKET	PLUG	Dimensions			
	A	A	B	C	D	E
15	.643 (16.33)	.666 (16.92)	.984 (24.99)	1.213 (30.81)	.277 (7.04)	.090 (2.29)
26	.971 (24.66)	.994 (25.25)	1.312 (33.32)	1.541 (39.14)	.271 (6.88)	.090 (2.29)
44	1.511 (38.38)	1.534 (38.96)	1.852 (47.04)	2.088 (53.04)	.271 (6.88)	.090 (2.29)
62	2.159 (54.84)	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)	.276 (7.00)	.095 (2.41)
78	2.064 (52.43)		2.406 (61.11)	2.635 (66.93)	.300 (7.63)	.095 (2.41)