

INTRODUCTION:

Adam Tech Right Angle PCB mount 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 high 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 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:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T 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 in optional) over Nickel underplate overall.

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: -55°C to +105°C

Soldering process temperature:

Standard insulator: 235°C

Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



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

CONTACT TYPE

PL = Plug, Right Angle Mount

SL = Socket, Right Angle Mount

OPTIONS:

Add designator(s) to end of part number

15 = 15 μ in gold plating in contact area

30 = 30 μ in gold plating in contact area

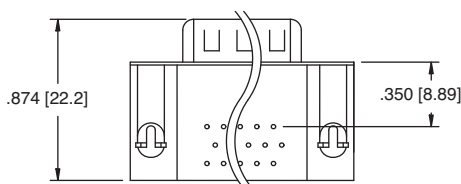
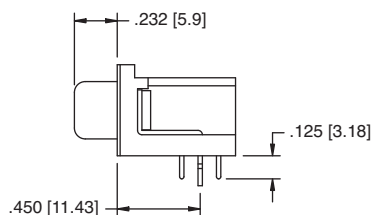
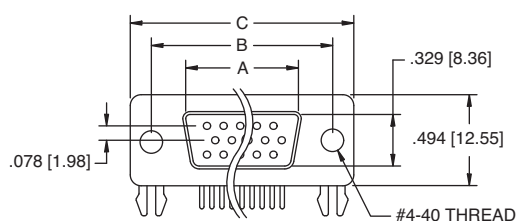
EMI = Ferrite filtered version for EMI / RFI suppression (Page 114)

F = Retention 4 prong boardlocks

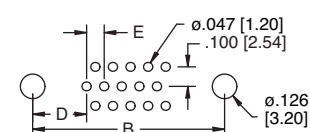
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

R = Round Riveted Jackscrews

PLUG

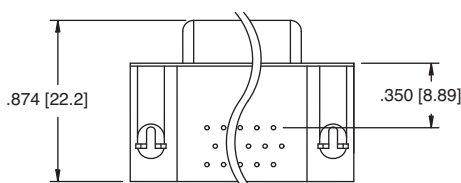
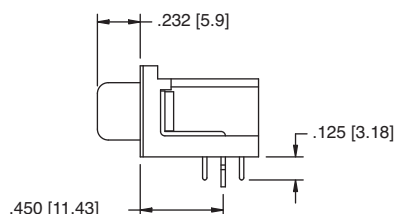
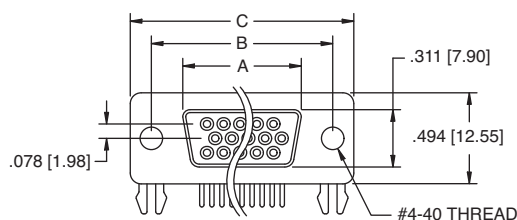


HDL15-PL-B

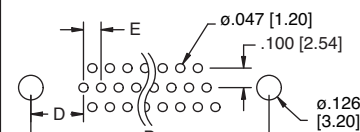


15 Position PCB Layout

SOCKET

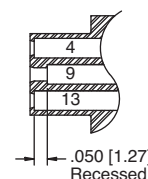


HDL15-SL-B



26, 44, 62 Position PCB Layout

Hi Density Video Graphics Connector



HDVGV-15-SL-B

Unit: Inch [mm]

| Positions | PLUG | SOCKET | DIMENSIONS | | | |
|-----------|---------------|---------------|---------------|---------------|-------------|-------------|
| | A | A | B | C | D | E |
| 15 | .666 [16.92] | .643 [16.33] | .984 [24.99] | 1.213 [30.81] | .277 [7.04] | .090 [2.29] |
| 26 | .994 [25.25] | .971 [24.66] | 1.312 [33.32] | 1.541 [39.14] | .277 [7.04] | .090 [2.29] |
| 44 | 1.534 [38.96] | 1.511 [38.38] | 1.852 [47.04] | 2.088 [53.04] | .277 [7.04] | .090 [2.29] |
| 62 | 2.182 [55.43] | 2.159 [54.84] | 2.500 [63.50] | 2.729 [69.32] | .276 [7.00] | .095 [2.41] |
| 78 | 2.079 [52.81] | 2.064 [52.43] | 2.406 [61.11] | 2.635 [66.93] | .300 [7.63] | .095 [2.41] |

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