

INTRODUCTION:

Adam Tech Solder Cup 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 pin count in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- 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 μ m 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:

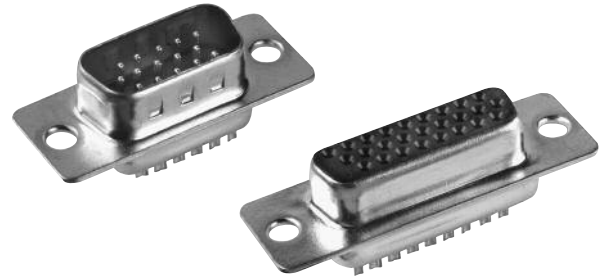
Operating temperature: -65°C to +125°C

PACKAGING:

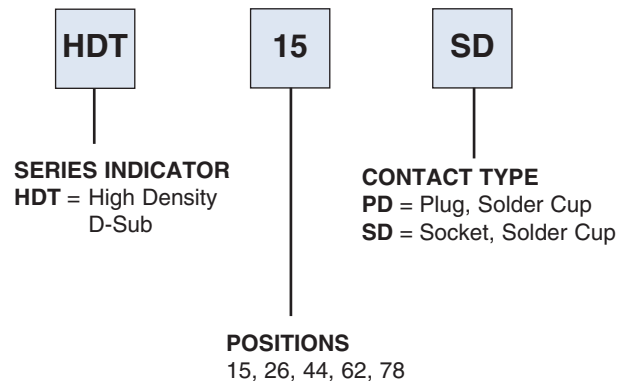
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number

15 = 15 μ m gold plating in contact area

30 = 30 μ m gold plating in contact area

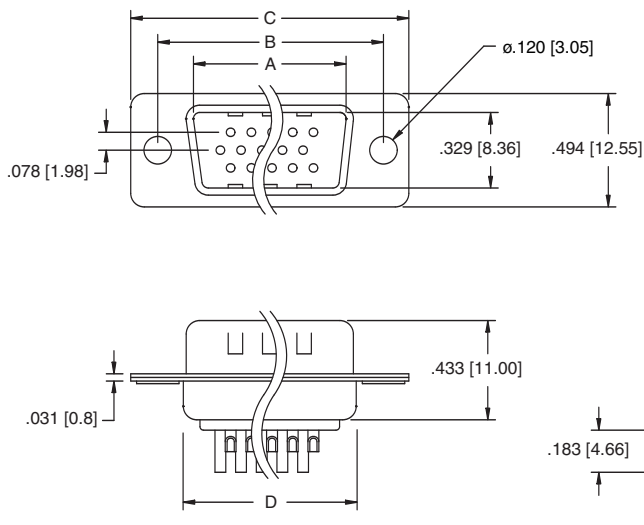
WT = White color insulator

SL = Bottom side Riveted #4-40 Clinch Nuts

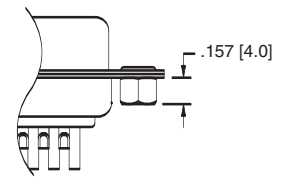
JS = Top side riveted #4-40 Jack Screws

EMI = Ferrite filtered version for EMI / RFI suppression (Page 101)

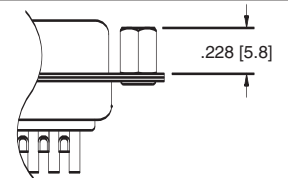
PLUG



MOUNTING OPTIONS

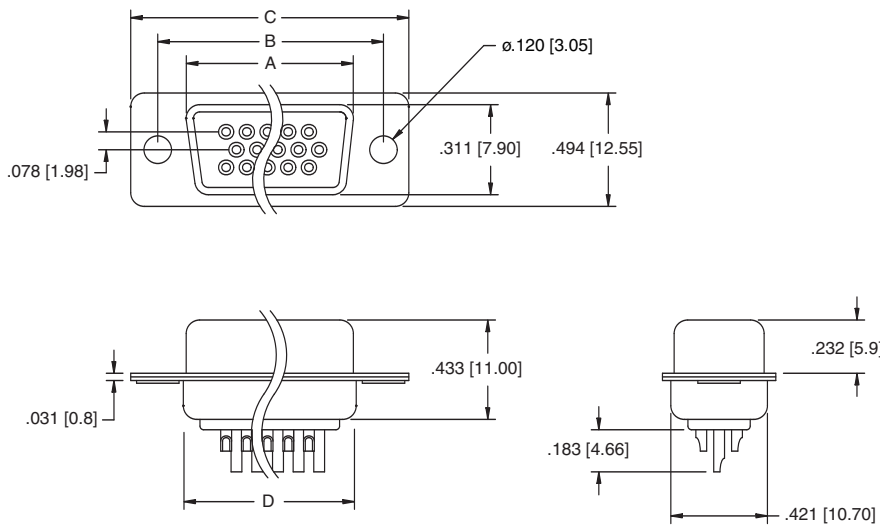


SL Option
Bottom side riveted #4-40
Clinch Nuts



JS Option
Top side riveted #4-40
Jack Screws

SOCKET



Unit: Inch [mm]

Positions	PLUG	SOCKET	DIMENSIONS		
	A	A	B	C	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]

INTRODUCTION:

Adam Tech Straight PCB tail 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 pin count 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: Black (White optional)
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 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: -65°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

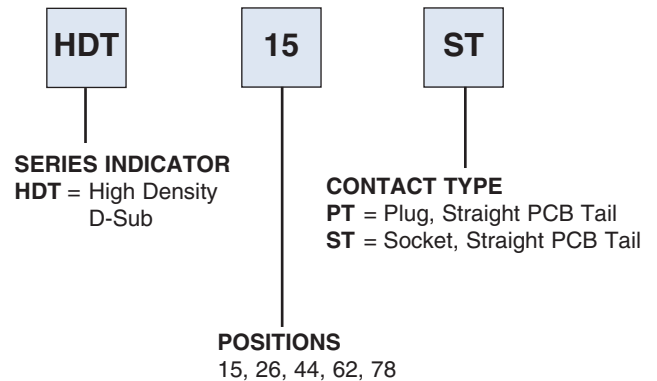
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number

WT = White color insulator

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

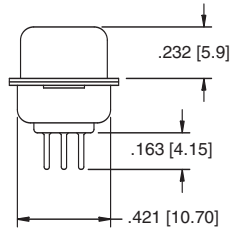
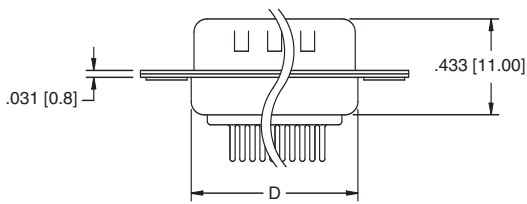
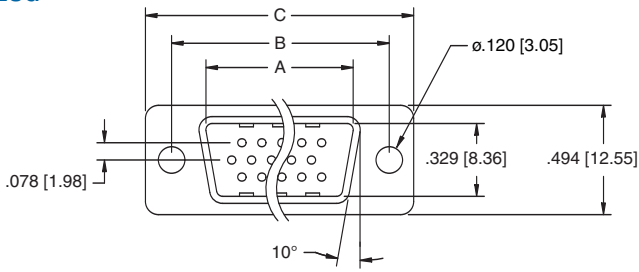
SL = Riveted #4-40 Clinch Nuts

JS = Riveted #4-40 Jackscrews

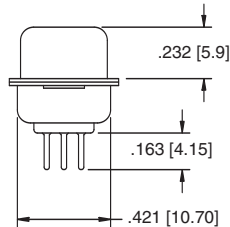
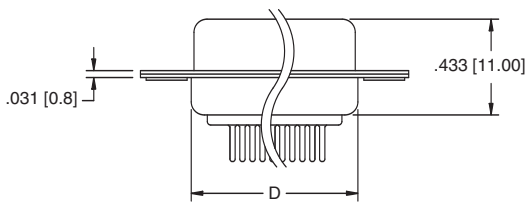
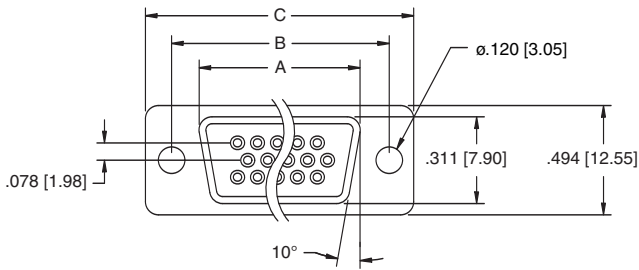
BL = Riveted #4-40 Internal Threaded Standoffs with Boardlocks

EMI = Ferrite filtered version for EMI / RFI suppression (Page 101)

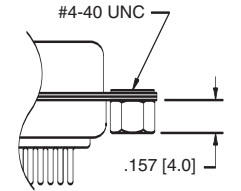
PLUG



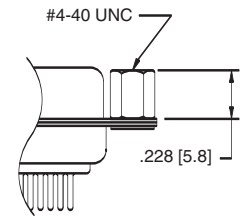
SOCKET



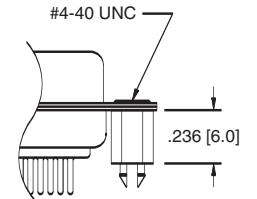
MOUNTING OPTIONS



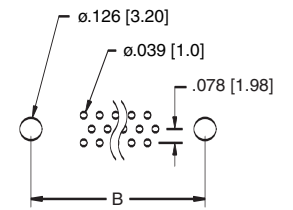
SL Option
Bottom side riveted #4-40 Clinch Nuts



JS Option
Top side riveted #4-40 Jack Screws



BL Option
Bottom side riveted #4-40 Clinch Nuts with PCB Boardlocks



Recommended PCB Layout

Unit: Inch [mm]

Positions	PLUG	SOCKET	DIMENSIONS		
	A	A	B	C	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]

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 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 m 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: -65°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION

HDL

15

SL

B

SERIES INDICATOR

HDL = High Density D-Sub
HDVG = High Density VESA connector with recessed #9 pin and blue insulator

POSITIONS

15, 26, 44, 62, 78

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

CONTACT TYPE

PL = Plug, Right Angle Mount
SL = Socket, Right Angle Mount

OPTIONS:

Add designator(s) to end of part number

15 = 15 μ m gold plating in contact area
30 = 30 μ m gold plating in contact area

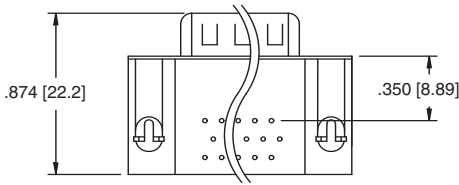
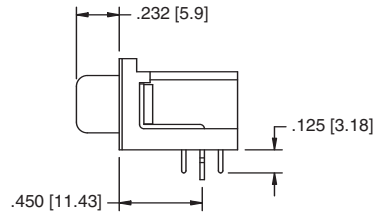
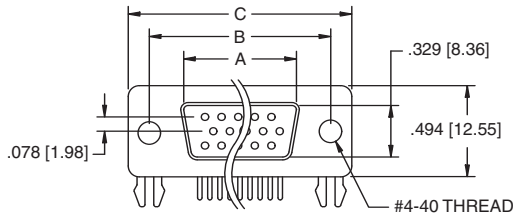
EMI = Ferrite filtered version for EMI / RFI suppression (Page 101)

F = Retention 4 prong boardlocks

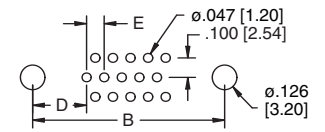
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

R = Round Riveted Jackscrews

PLUG

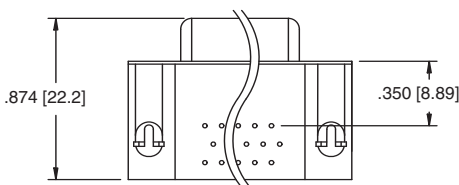
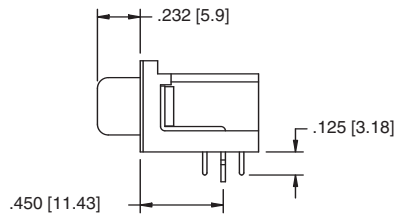
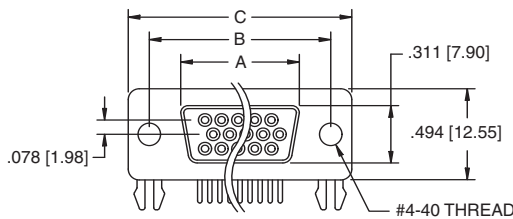


HDL15-PL-B

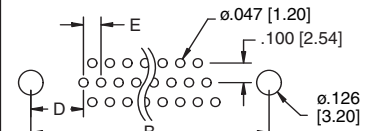


15 Position PCB Layout

SOCKET

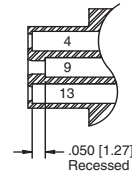


HDL15-SL-B



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]

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 μ m 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
- Recommended wire size: 22 to 28 Awg

Temperature Rating:

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

PACKAGING:

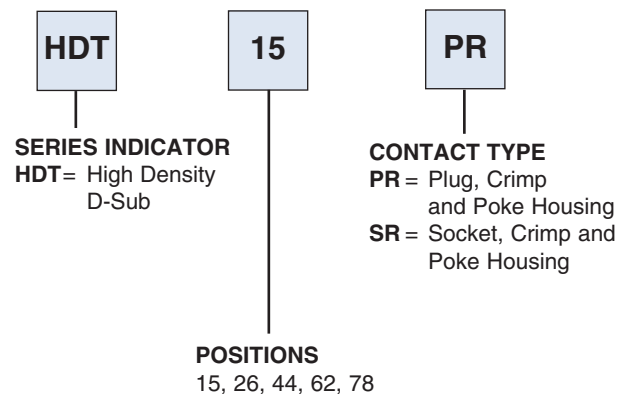
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

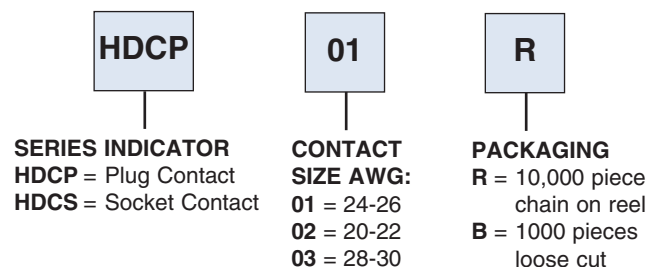
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- CSA Certified File No. LR1578596



ORDERING INFORMATION HOUSING



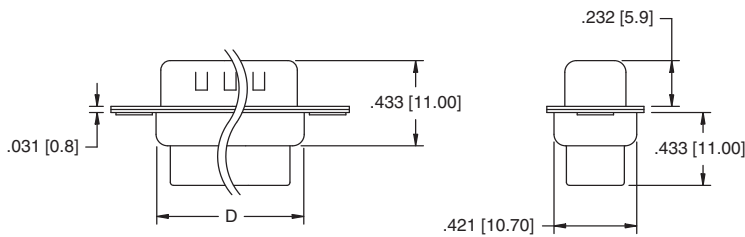
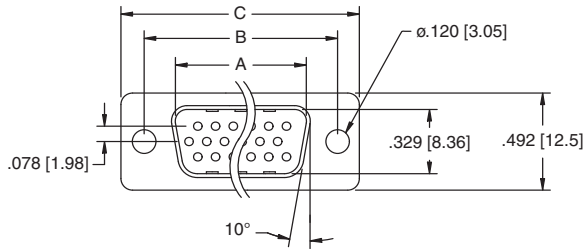
CRIMP CONTACT



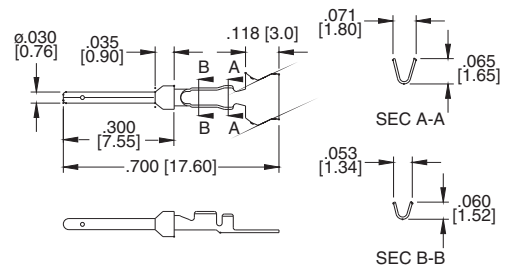
OPTIONS:

- Add designator(s) to end of part number
- 15 = 15 μ m gold plating in contact area
- 30 = 30 μ m gold plating in contact area
- WT = White color insulator.
- SL = Riveted #4-40 Clinch Nuts
- JS = Riveted #4-40 Jackscrews

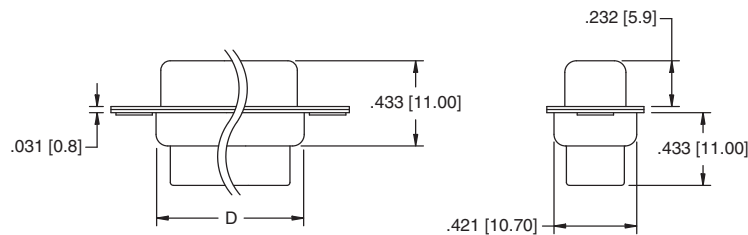
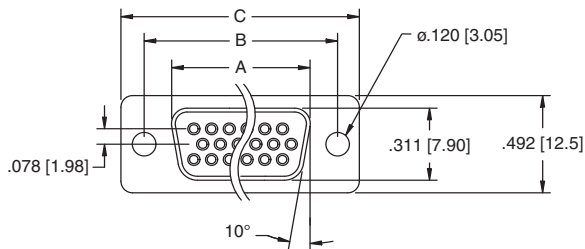
PLUG



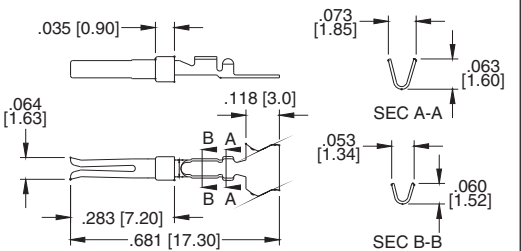
Plug Contact



SOCKET



Socket Contact



Unit: Inch [mm]

Positions	PLUG	SOCKET	DIMENSIONS		
	A	A	B	C	D
15	.666 [16.92]	.643 [16.33]	.984 [24.99]	1.213 [30.81]	.759 [19.28]
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