

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 bifurcated 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 in 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:

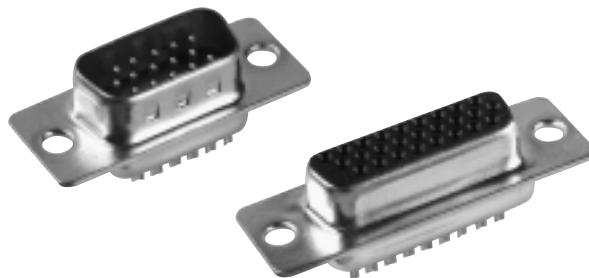
Operating temperature: -65°C to +125°C

PACKAGING:

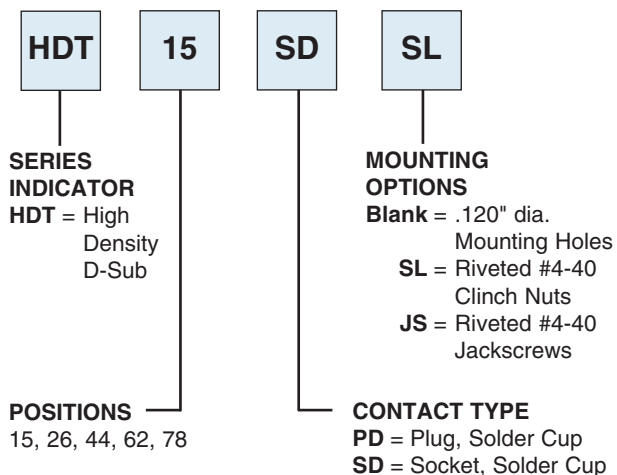
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



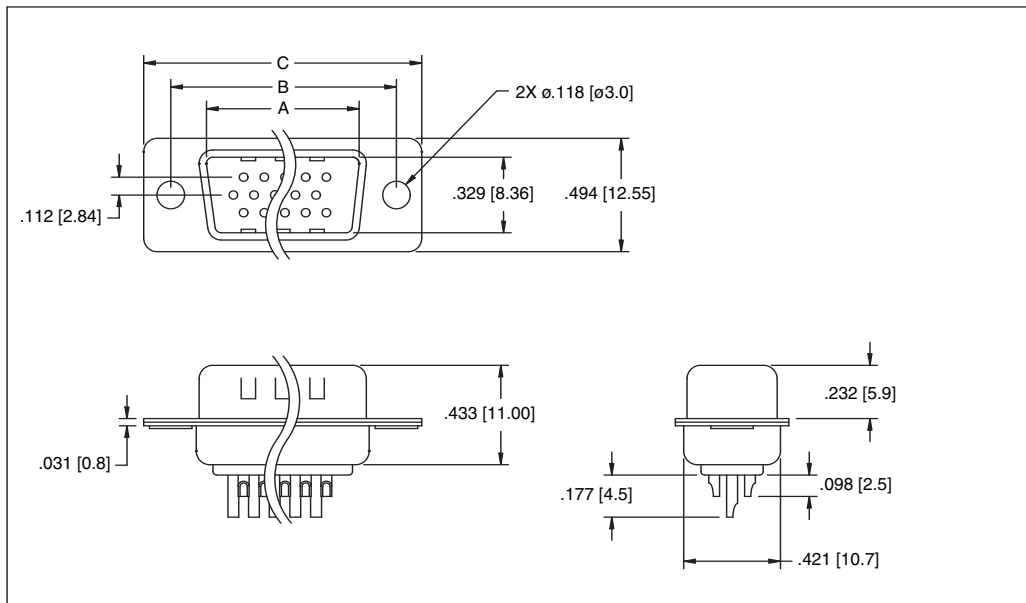
ORDERING INFORMATION



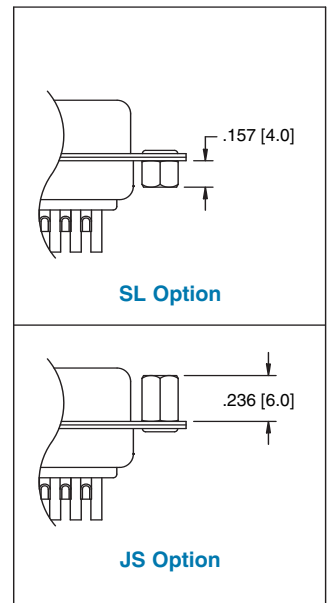
OPTIONS:

Add designator(s) to end of part number
30 = 30 μ in gold plating in contact area
RC = RoHS compliant lead-free product with Hi-Temp insulator

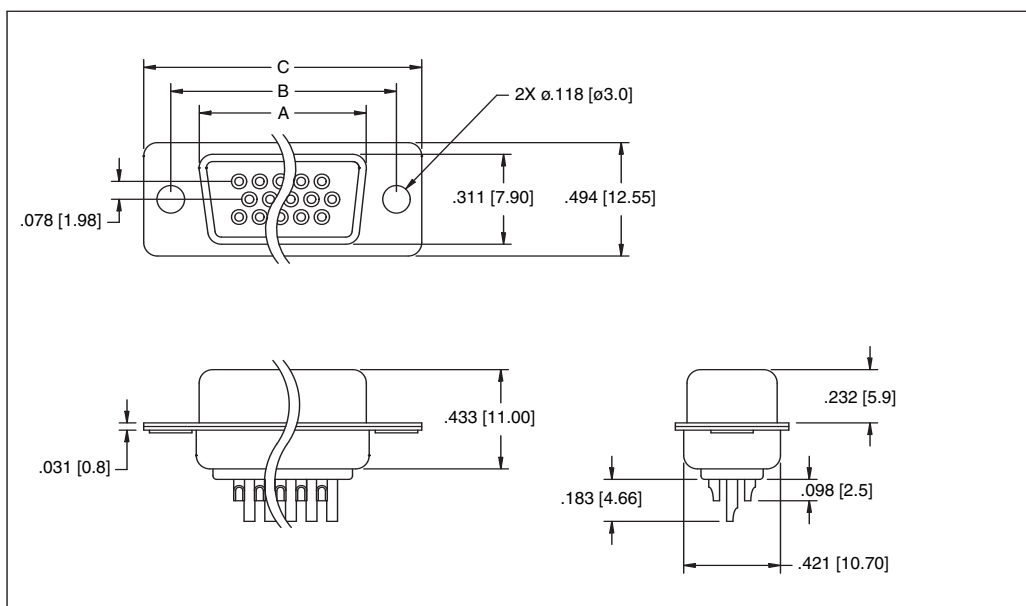
PLUG



MOUNTING OPTIONS



SOCKET



Unit: Inch / mm

POSITIONS	Socket Dimensions			POSITIONS	Plug Dimensions		
	A	B	C		A	B	C
15	.643 (16.33)	.984 (24.99)	1.213 (30.81)	15	.666 (16.92)	.984 (24.99)	1.213 (30.81)
26	.971 (24.66)	1.312 (33.32)	1.541 (39.14)	26	.994 (25.25)	1.312 (33.32)	1.541 (39.14)
44	1.511 (38.38)	1.852 (47.04)	2.088 (53.04)	44	1.534 (38.96)	1.852 (47.04)	2.008 (53.04)
62	2.159 (54.84)	2.500 (63.50)	2.729 (69.32)	62	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)
78	2.064 (52.43)	2.406 (61.11)	2.635 (66.93)	78	2.079 (52.81)	2.406 (61.11)	2.635 (66.93)

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 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: 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.

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

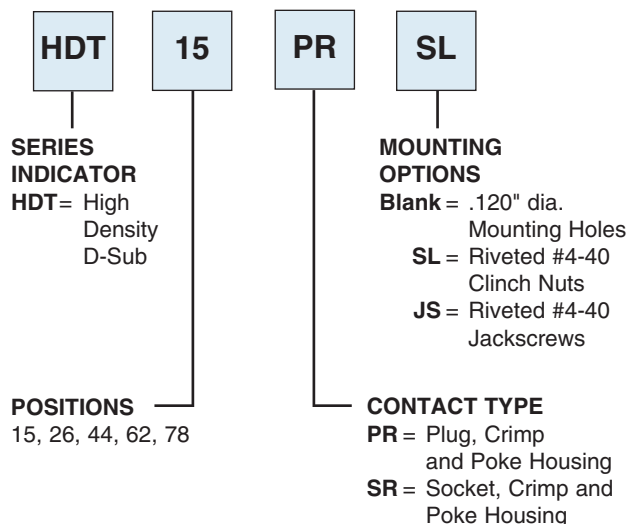
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CSA Certified File No. LR1578596

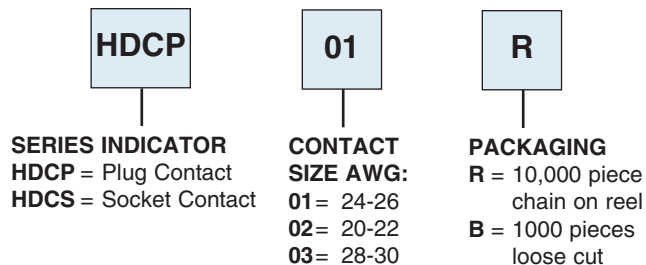


ORDERING INFORMATION

HOUSING



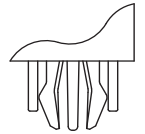
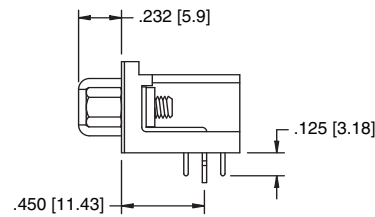
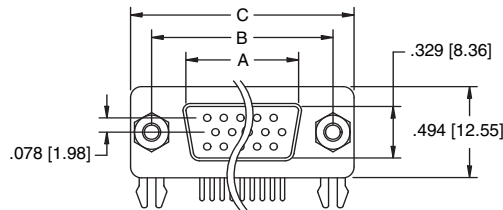
CRIMP CONTACT



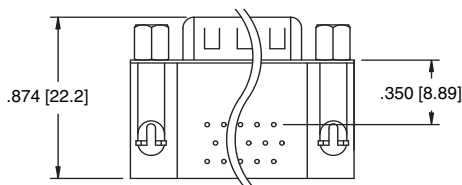
OPTIONS:

Add designator(s) to end of part number
30 = 30 μ m gold plating in contact area

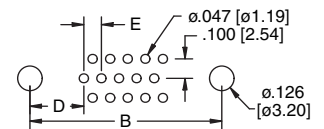
PLUG



Four Prong Boardlock Option

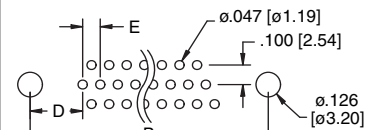
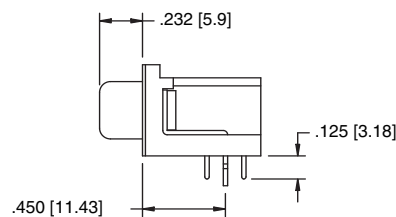
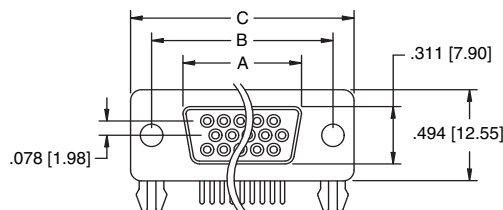


HDL15-PL-B

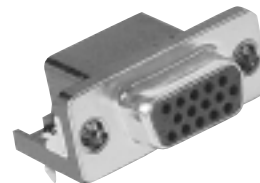
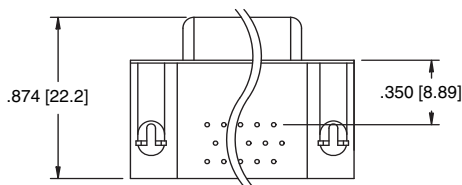


15 Position PCB Layout

SOCKET

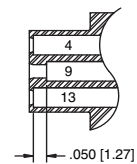


26, 44, 62 Position PCB Layout



HDL15-SL-B

Hi Density Video Graphics Connector



HDVG15-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)

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 in 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



CONTACT TYPE

PL = Plug, Right Angle Mount

SL = Socket, Right Angle Mount

OPTIONS:

Add designator(s) to end of part number

30 = 30 μ in gold plating in contact area

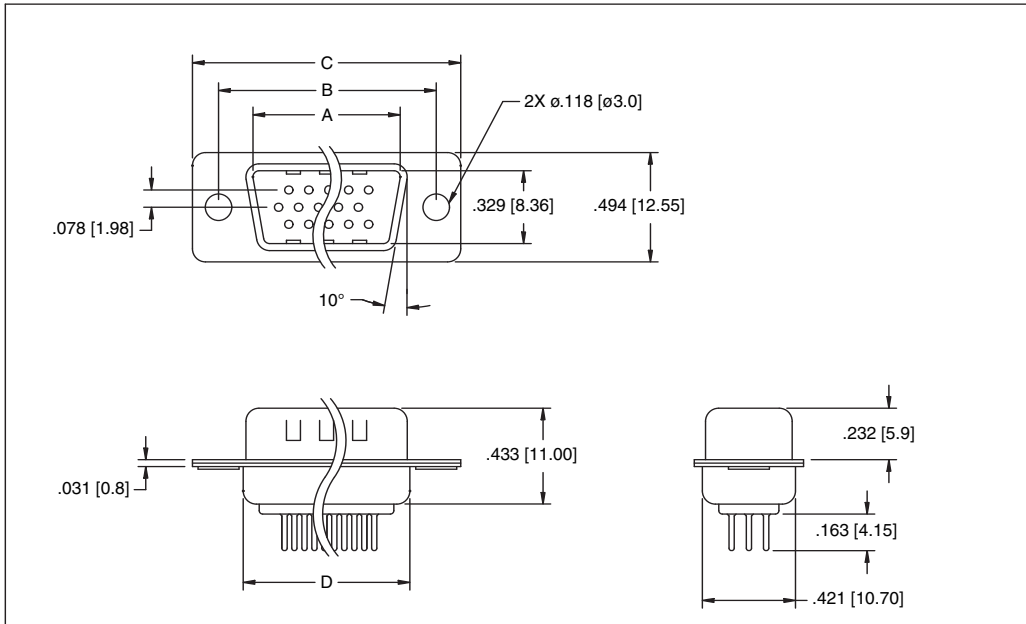
EMI = Ferrite filtered version for EMI / RFI suppression (Page 67)

F = Retention 4 prong boardlocks

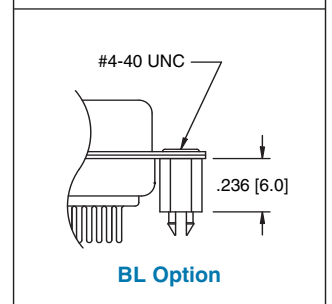
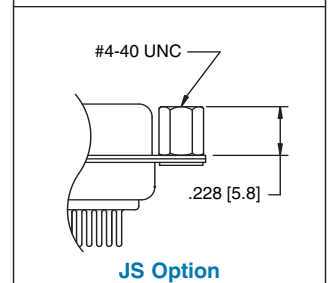
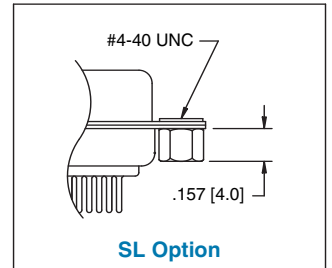
HT = Hi-Temp insulator for Hi-Temp soldering processes

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

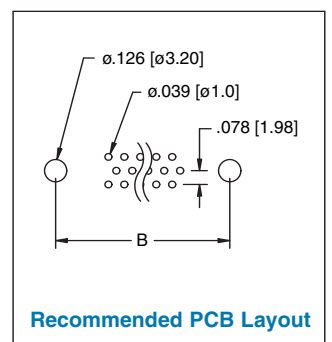
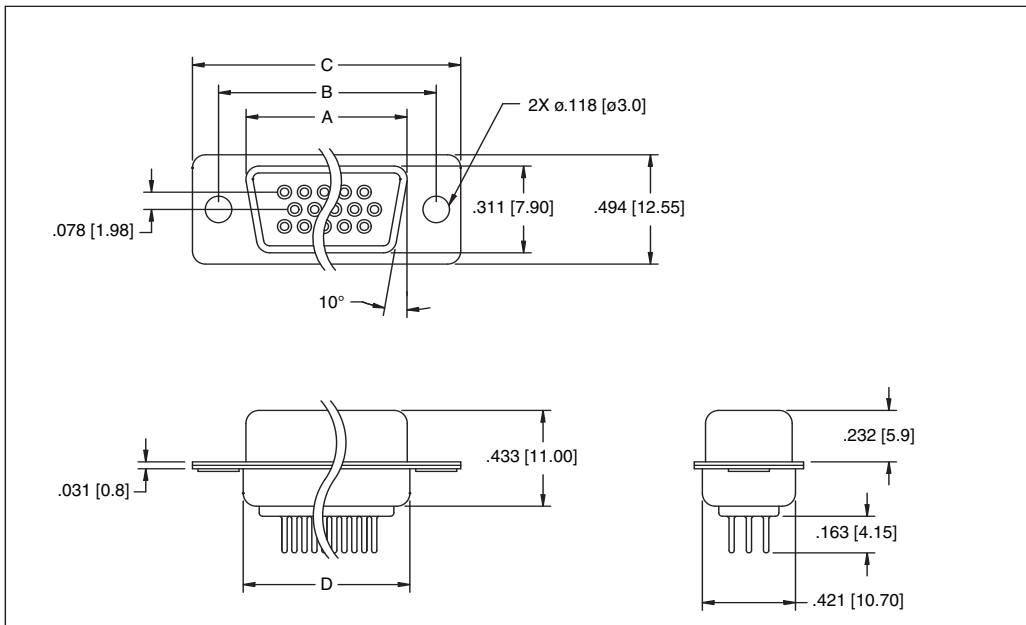
PLUG



MOUNTING OPTIONS



SOCKET



Unit: Inch / mm

POSITIONS	Socket Dimensions			POSITIONS	Plug Dimensions		
	A	B	C		A	B	C
15	.643 (16.33)	.984 (24.99)	1.213 (30.81)	15	.666 (16.92)	.984 (24.99)	1.213 (30.81)
26	.971 (24.66)	1.312 (33.32)	1.541 (39.14)	26	.994 (25.25)	1.312 (33.32)	1.541 (39.14)
44	1.511 (38.38)	1.852 (47.04)	2.088 (53.04)	44	1.534 (38.96)	1.852 (47.04)	2.008 (53.04)
62	2.159 (54.84)	2.500 (63.50)	2.729 (69.32)	62	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)
78	2.064 (52.43)	2.406 (61.11)	2.635 (66.93)	78	2.079 (52.81)	2.406 (61.11)	2.635 (66.93)

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 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: Black (White optional)
- 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.

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:

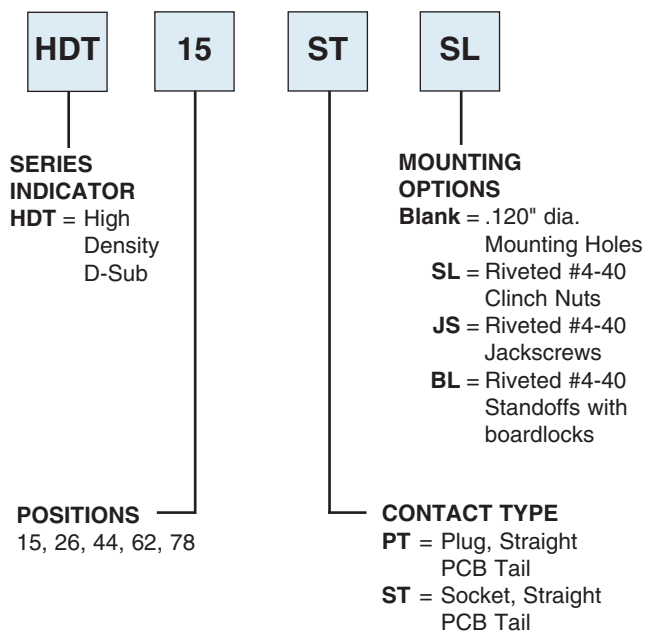
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



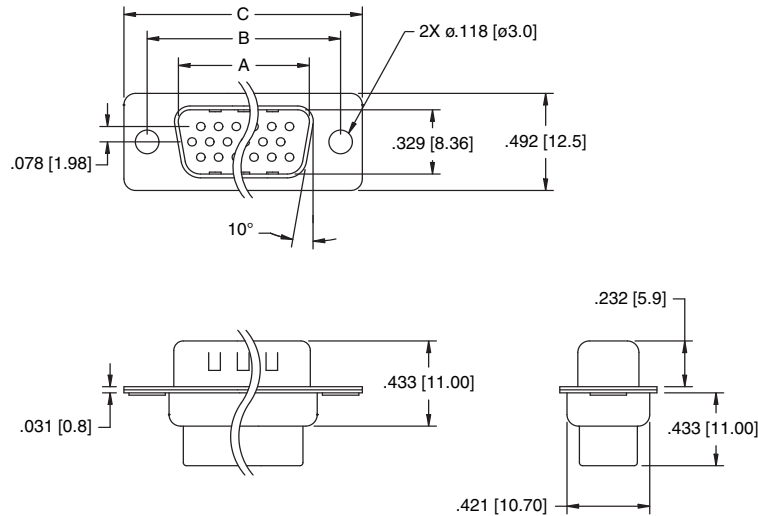
ORDERING INFORMATION



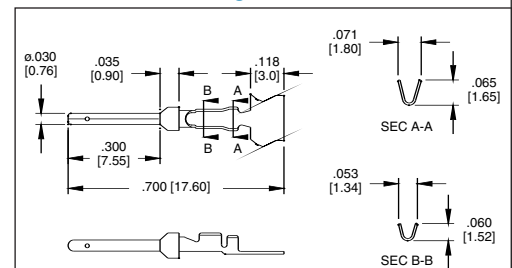
OPTIONS:

Add designator(s) to end of part number
30 = 30 μ in gold plating in contact area
RC = RoHS compliant lead-free product with Hi-Temp insulator

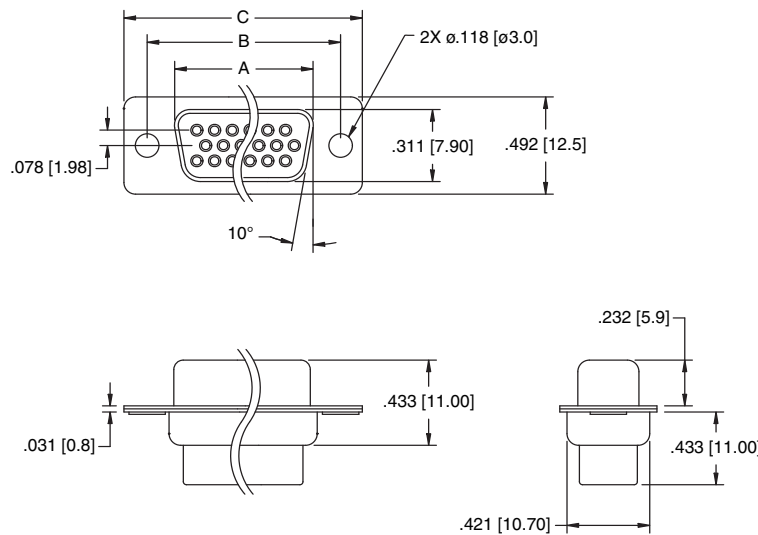
PLUG



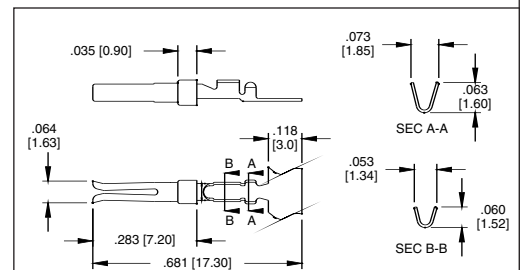
Plug Contact



SOCKET



Socket Contact



Unit: Inch / mm

POSITIONS	Socket Dimensions			POSITIONS	Plug Dimensions		
	A	B	C		A	B	C
15	.643 (16.33)	.984 (24.99)	1.213 (30.81)	15	.666 (16.92)	.984 (24.99)	1.213 (30.81)
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