

# HD

D-Sub connectors - Stamped and Formed Contacts

## RIGHT ANGLE HIGH DENSITY CONNECTORS

### Specifications

- Connectors according to: MIL C24308
- UL File: E149426

### Materials and Platings

<b>Shells</b>	Steel, tin over nickel plating
<b>Insulator</b>	Glass-filled thermoplastic, UL 94V-0
<b>Contacts</b>	Brass, selected gold in mating area; 2.54µm (100 µ") min. tin on termination area over 1.27µm (50µ") min. nickel
<b>Rear insert</b>	Brass, 2.54µm (100µ") min. nickel plated
<b>Boardlock</b>	Phosphor bronze or Brass, 2.54µm (100µ") min. nickel plated
<b>Screwlock</b>	Brass, 2.54µm (100µ") min. nickel plated

### Electrical Data

<b>Current rating</b>	3A
<b>Voltage rating</b>	250V AC/ rms 50Hz
<b>Withstanding voltage</b>	1000V AC/rms 50Hz for one minute
<b>Insulation resistance</b>	5000MΩ at 500V DC
<b>Contact resistance</b>	10mΩ max

### Climatic Data

<b>Operating temperature</b>	-55°C to +125°C
<b>Salt spray</b>	24 hours

### Mechanical Data

<b>Single contact insertion force</b>	0.34kg (0.75lb) max.
<b>Single contact withdrawal force</b>	0.02kg (0.044lb) min.

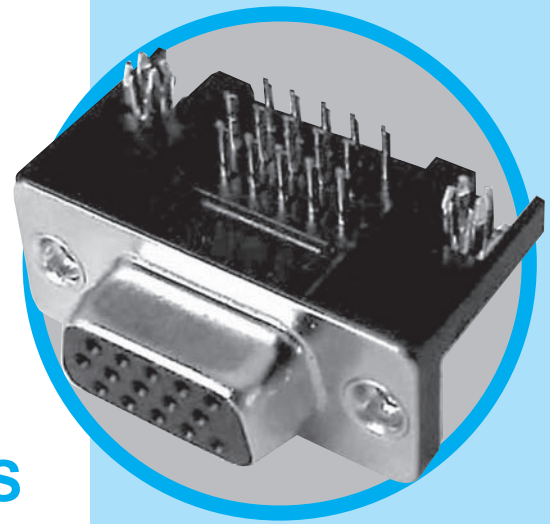
### Mating and unmating force

Unit: kg ( lb)

No. of Cts	Mate (max)	Unmate (min)
15	3.81 (8.42)	0.52 (1.14)
26	5.95 (13.16)	1.05 (2.32)
44	9.26 (20.46)	1.37 (3.02)
62	13.48 (29.78)	1.76 (3.88)

### Standard plating thickness

- Gold flash
- 0.4µm (15µ") Gold
- 0.76 µm (30µ") Gold



DESCRIPTION

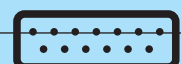
Amphenol's high density D-Sub connectors complement Amphenol's extensive D-Sub connector line. This line offers many superior features, high performance level and low installation cost.

The decreased contact spacing accommodates greater signal density in comparison to conventional D-Sub connectors.

*Economical  
right angle PCB  
mount  
connectors*

APPLICATIONS

- Industrial
- Telecom
- Any industry standard I/O connections



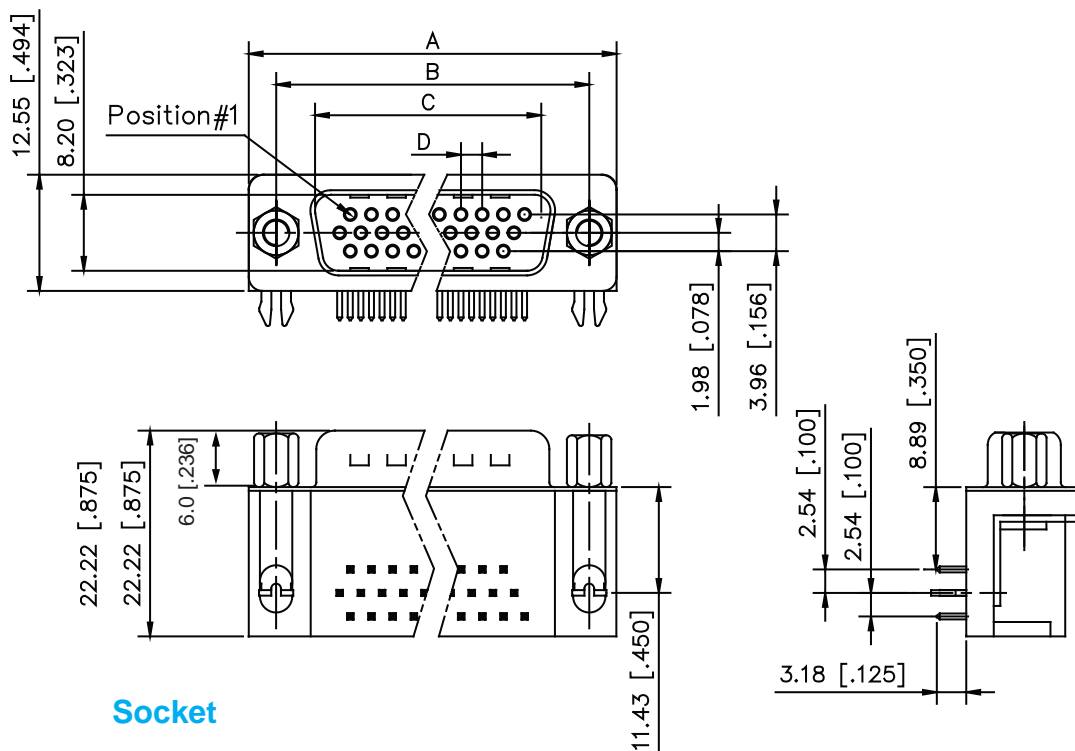
**Amphenol**

HD / E19

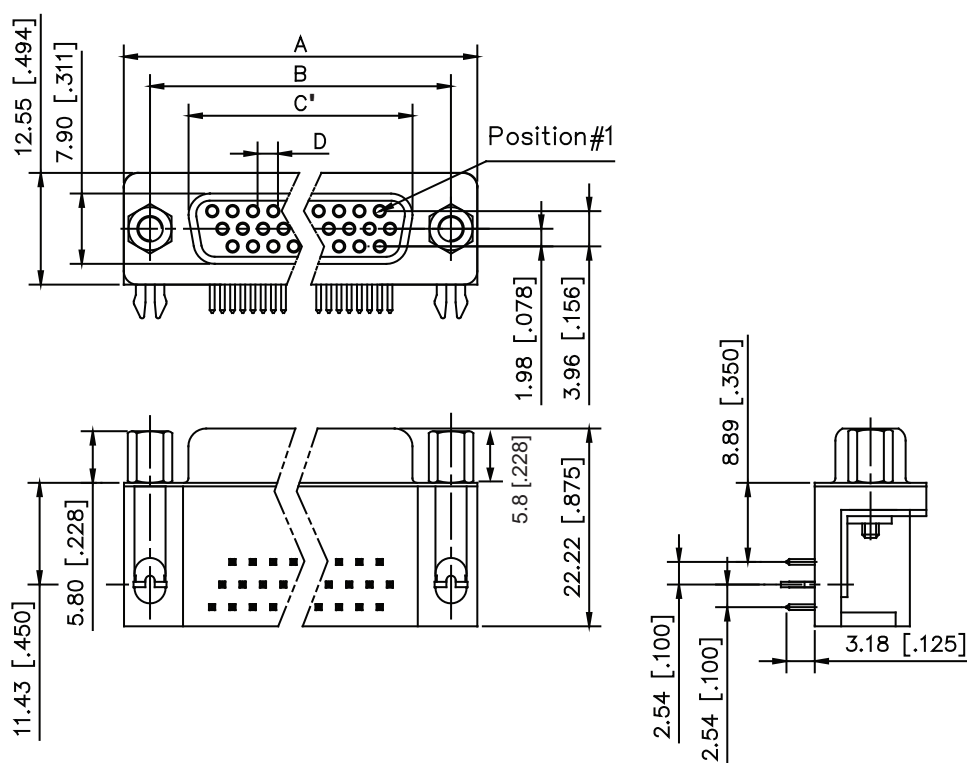
MAIN CHARACTERISTICS

## Shell size dimensions

## Plug

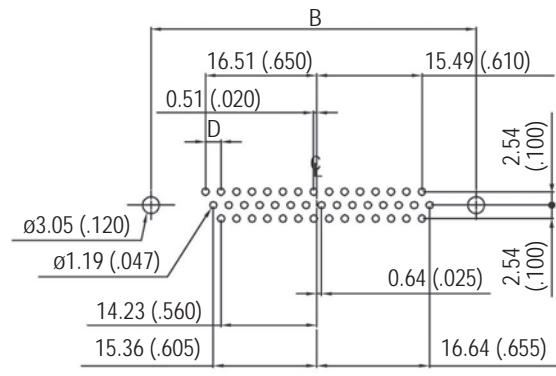
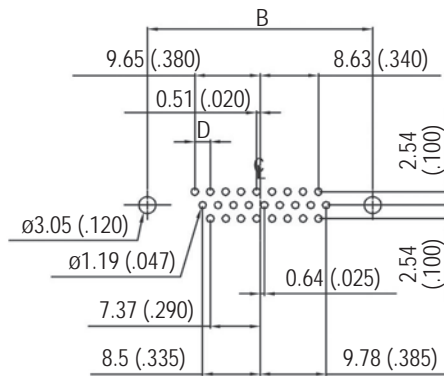
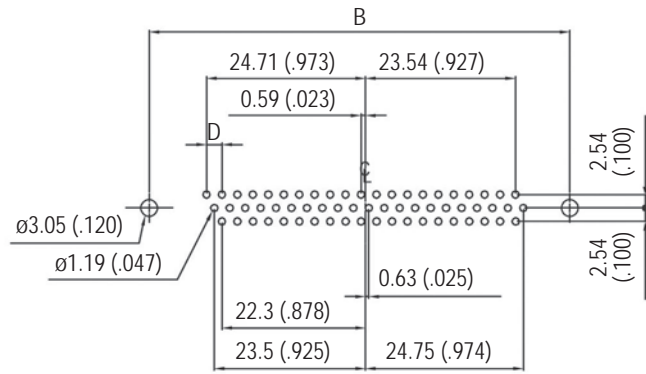
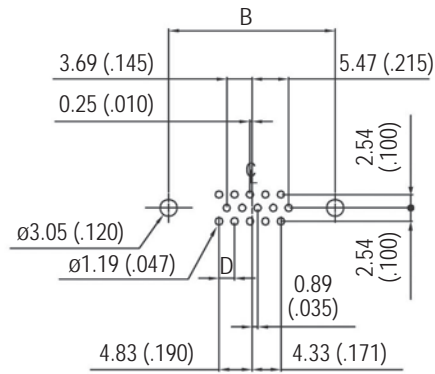


## Socket



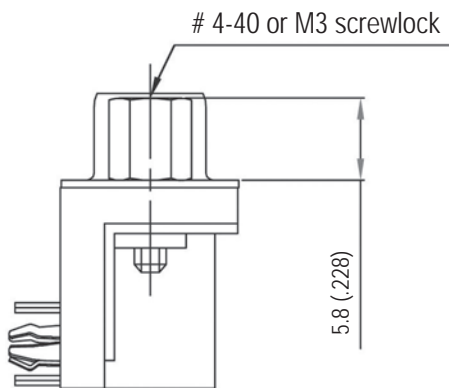
Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	C'	D
15	30.84 (1.214)	24.99 (.984)	16.92 (.661)	16.26 (.640)	2.29 (.090)
26	39.24 (1.545)	33.32 (1.312)	25.25 (.994)	24.56 (.967)	2.29 (.090)
44	53.04 (2.088)	47.04 (1.852)	38.96 (1.534)	38.30 (1.508)	2.29 (.090)
62	69.34 (2.730)	63.50 (2.500)	55.42 (2.182)	54.76 (2.156)	2.41 (.095)

## P.C.B. Layout

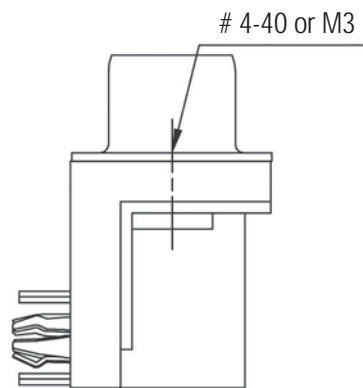


PCB layout for socket connector, top view

## Panel mounting option

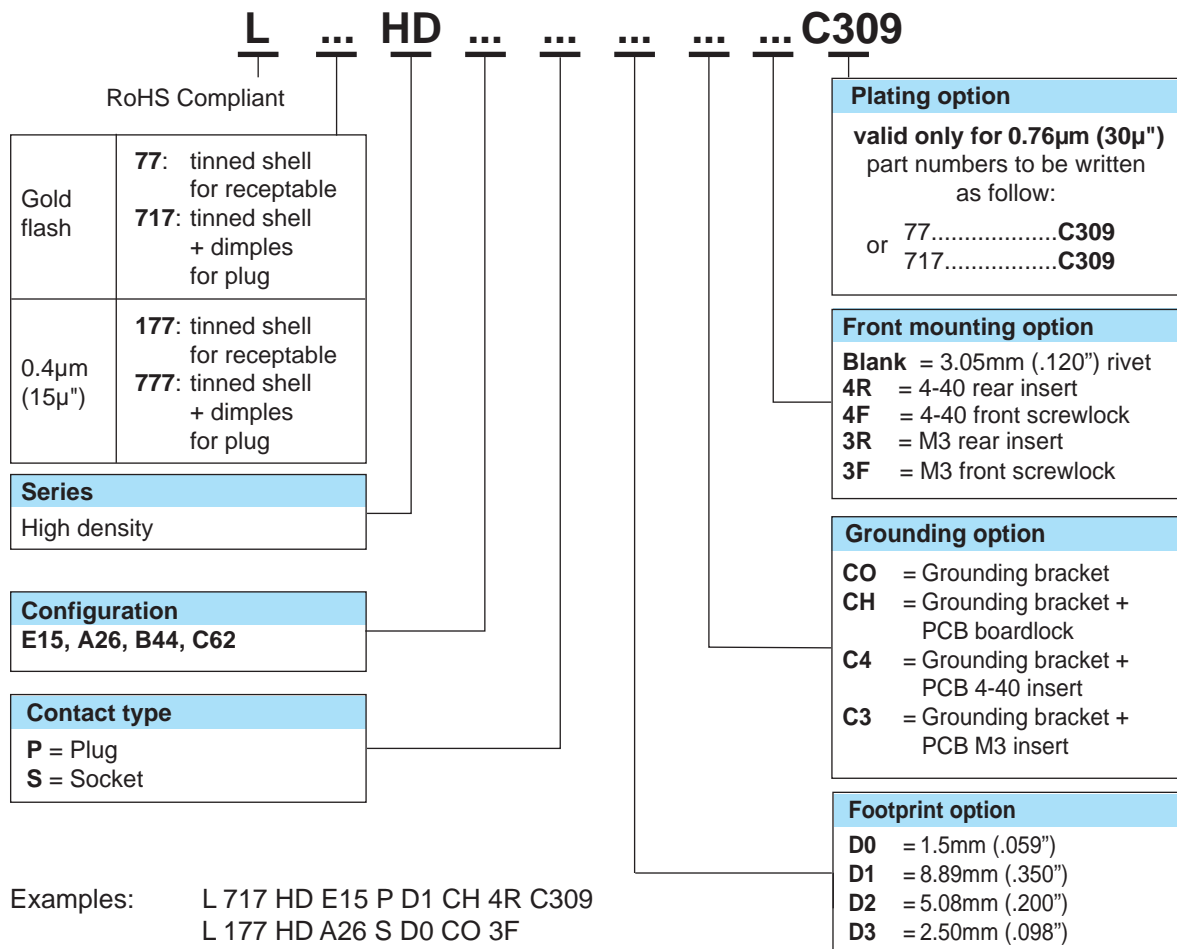


Front female screwlock  
4F / 3F



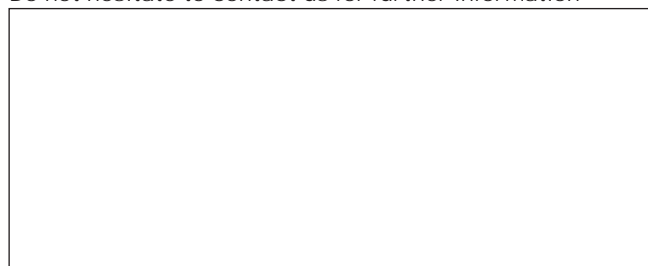
Threaded rear insert  
4R / 3R

## How to order



**For special request, please consult factory**

Do not hesitate to contact us for further information



# Amphenol

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