

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

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

Electrical Data

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

Climatic Data

Operating temperature	-55°C to +125°C
Salt spray	24 hours

Mechanical Data

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

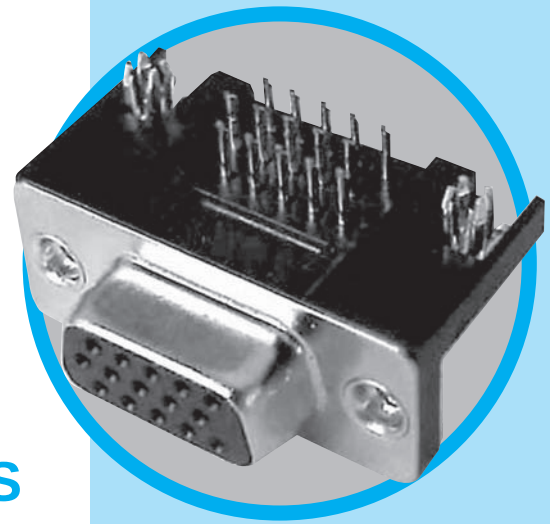
Mating and unmating force

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

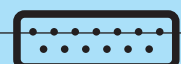
Amphenol's high density D-Sub connectors complement Amphenol's extensive D-Sub connector line. This line offers many superior features, high performance level and low installation cost.

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



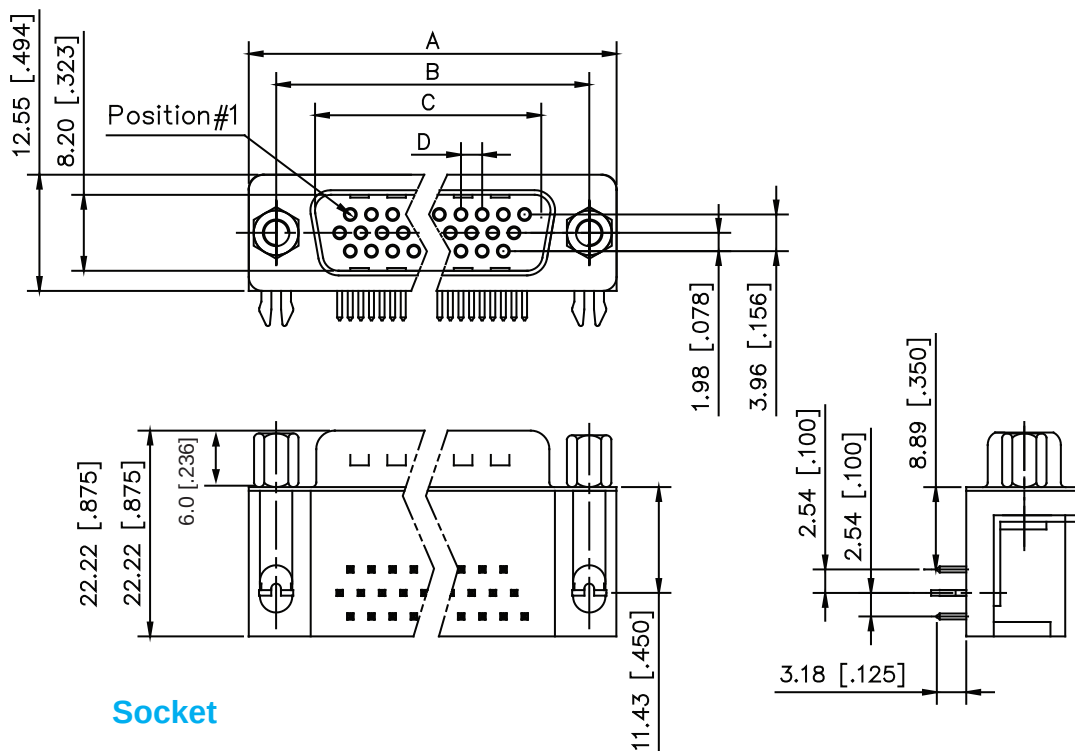
Amphenol

HD / E19

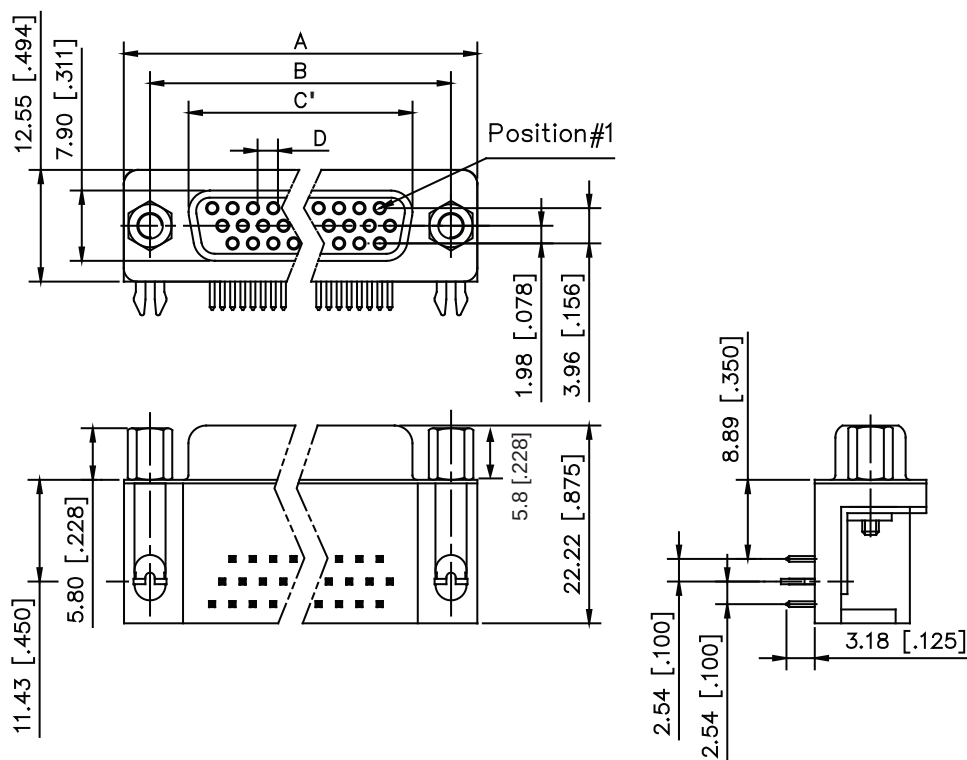
MAIN CHARACTERISTICS

Shell size dimensions

Plug

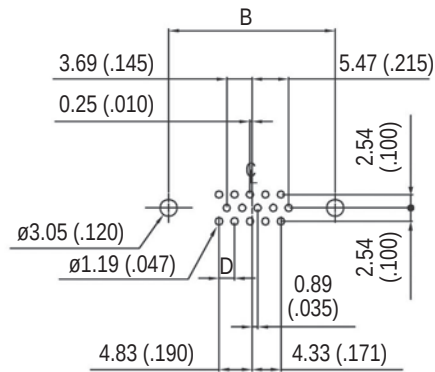


Socket

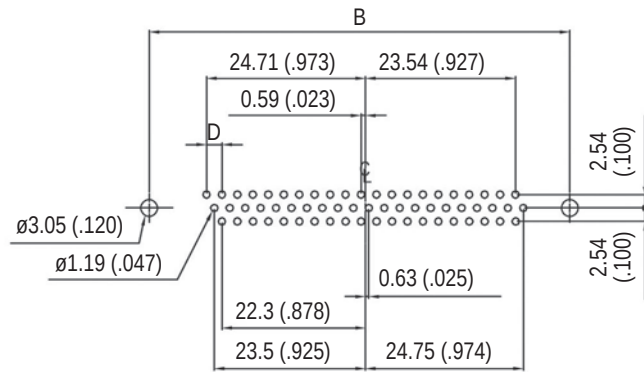


Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	C'	D
15	30.84 (1.214)	24.99 (.984)	16.92 (.661)	16.26 (.640)	2.29 (.090)
26	39.24 (1.545)	33.32 (1.312)	25.25 (.994)	24.56 (.967)	2.29 (.090)
44	53.04 (2.088)	47.04 (1.852)	38.96 (1.534)	38.30 (1.508)	2.29 (.090)
62	69.34 (2.730)	63.50 (2.500)	55.42 (2.182)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

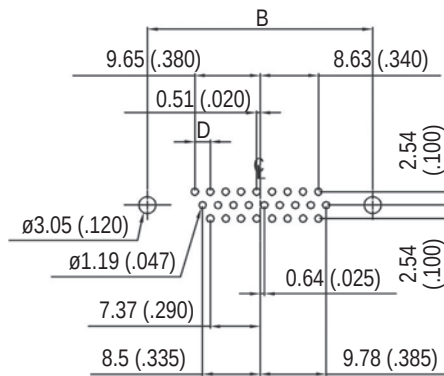
P.C.B. Layout



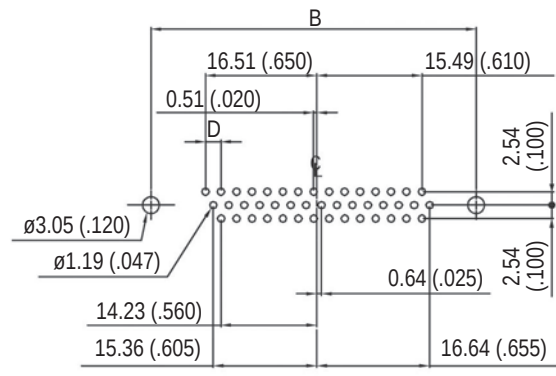
15 PIN



62 PIN



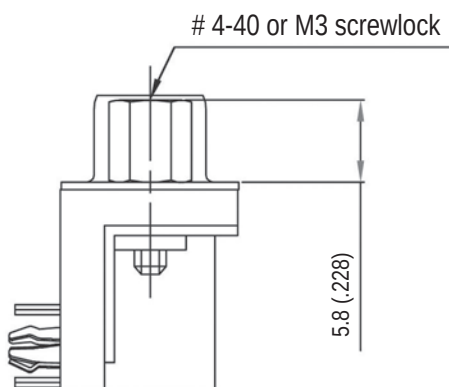
26 PIN



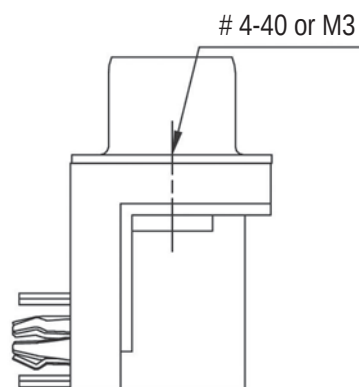
44 PIN

PCB layout for socket connector, top view

Panel mounting option

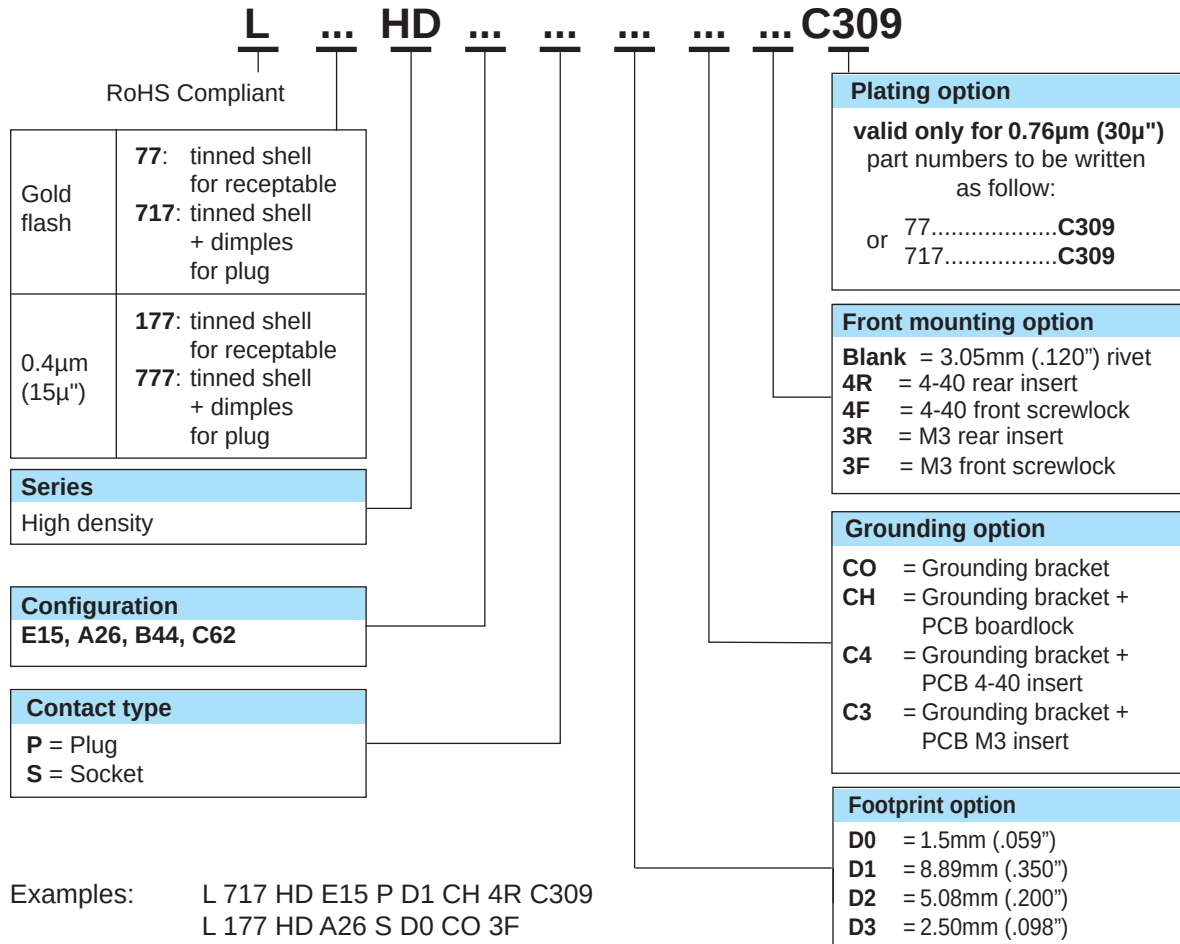


Front female screwlock
4F / 3F



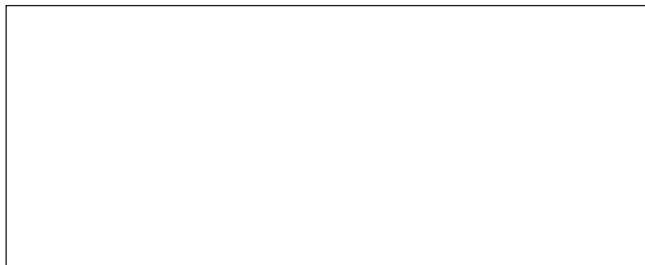
Threaded rear insert
4R / 3R

How to order



For special request, please consult factory

Do not hesitate to contact us for further information



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