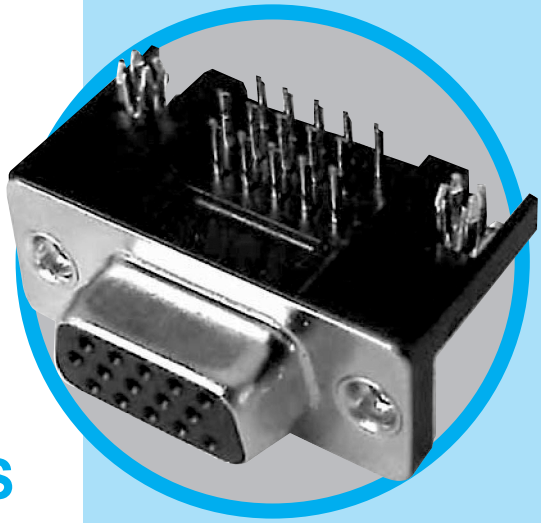
# HD

**D-Sub connectors - Stamped and Formed Contacts**



# RIGHT ANGLE
# HIGH DENSITY CONNECTORS

MAIN CHARACTERISTICS

**Specifications**

• **Connectors according to: MIL C24308**

| Materials and Platings | |
|---|---|
| **Shells** | Steel with nickel plating |
| **Body** | Glass filled thermoplastic, UL 94V-0 |
| **Contacts** | Copper alloy, selective gold plating |
| **Rear insert** | Brass with nickel plating |
| **Screwlock** | Brass with nickel plating |
| **Grounding clip** | Copper alloy with tin plating |

| Electrical Data | |
|---|---|
| **Current rating** | 5A |
| **Voltage rating** | 600V AC/rms 50Hz |
| **Withstanding voltage** | 1000V AC/rms 50HZ for one minute |
| **Insulation resistance** | 5000MΩ |
| **Contact resistance** | 10mΩ Max. |

| Climatic Data | |
|---|---|
| **Operating temperature** | -55°C to +125°C |

**Mechanical Data**

**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
- 0.76µm (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*

APPLICATIONS

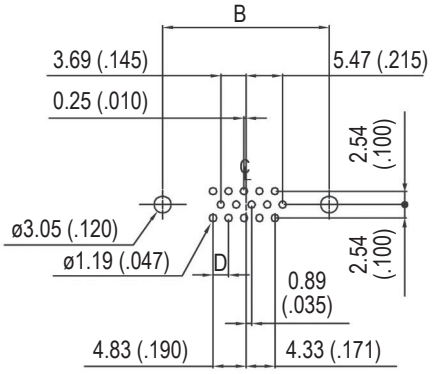
- Industrial
- Telecom
- Any industry standard I / O connections



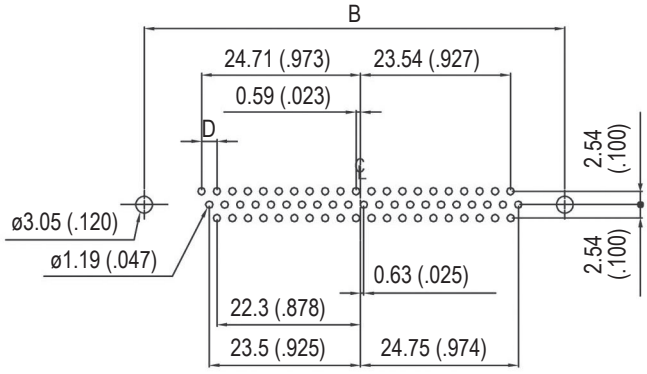
Amphenol RoHS Compliant EU 2002/95/EC

Amphenol

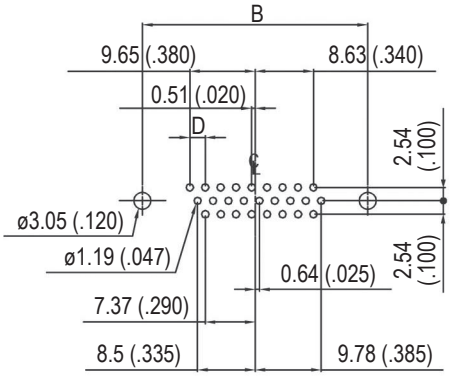
## P.C.B. Layout



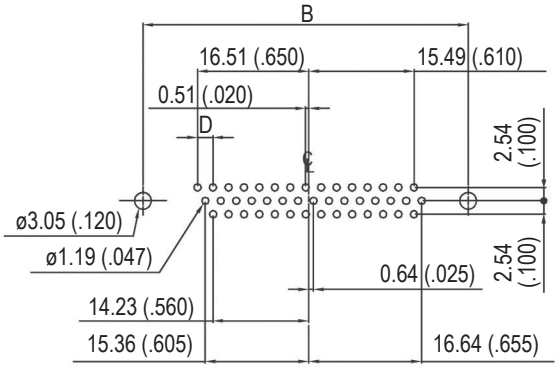

**15 PIN**




**62 PIN**

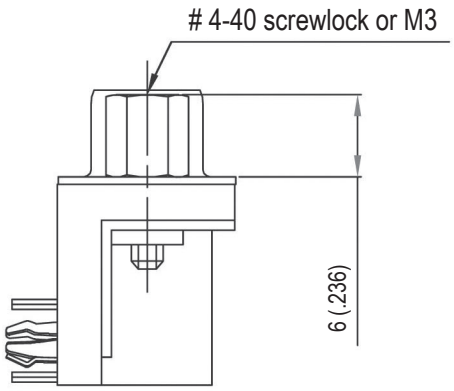



**26 PIN**



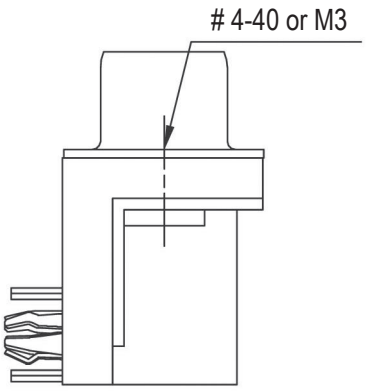

**44 PIN**

## Panel mounting option




**Front female screwlock**

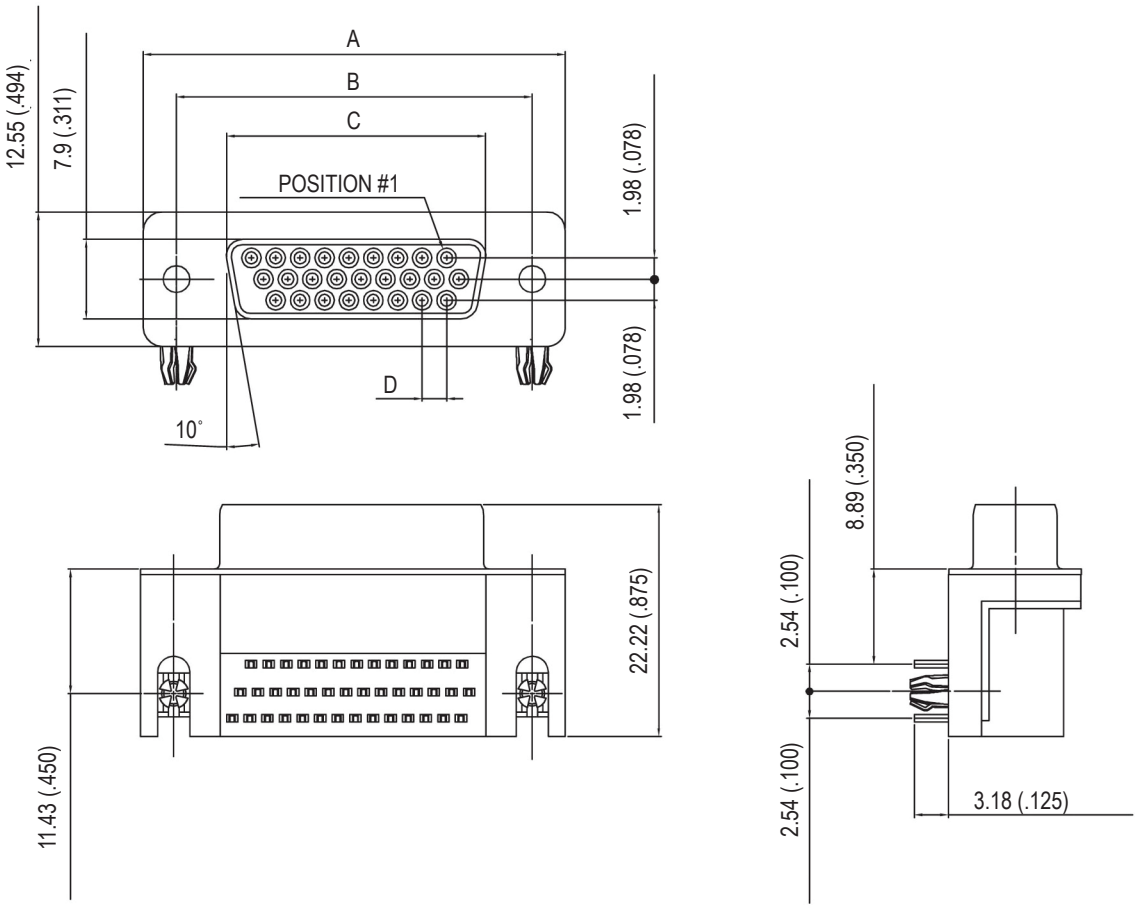
**4F / 3F**




**Threaded rear insert**

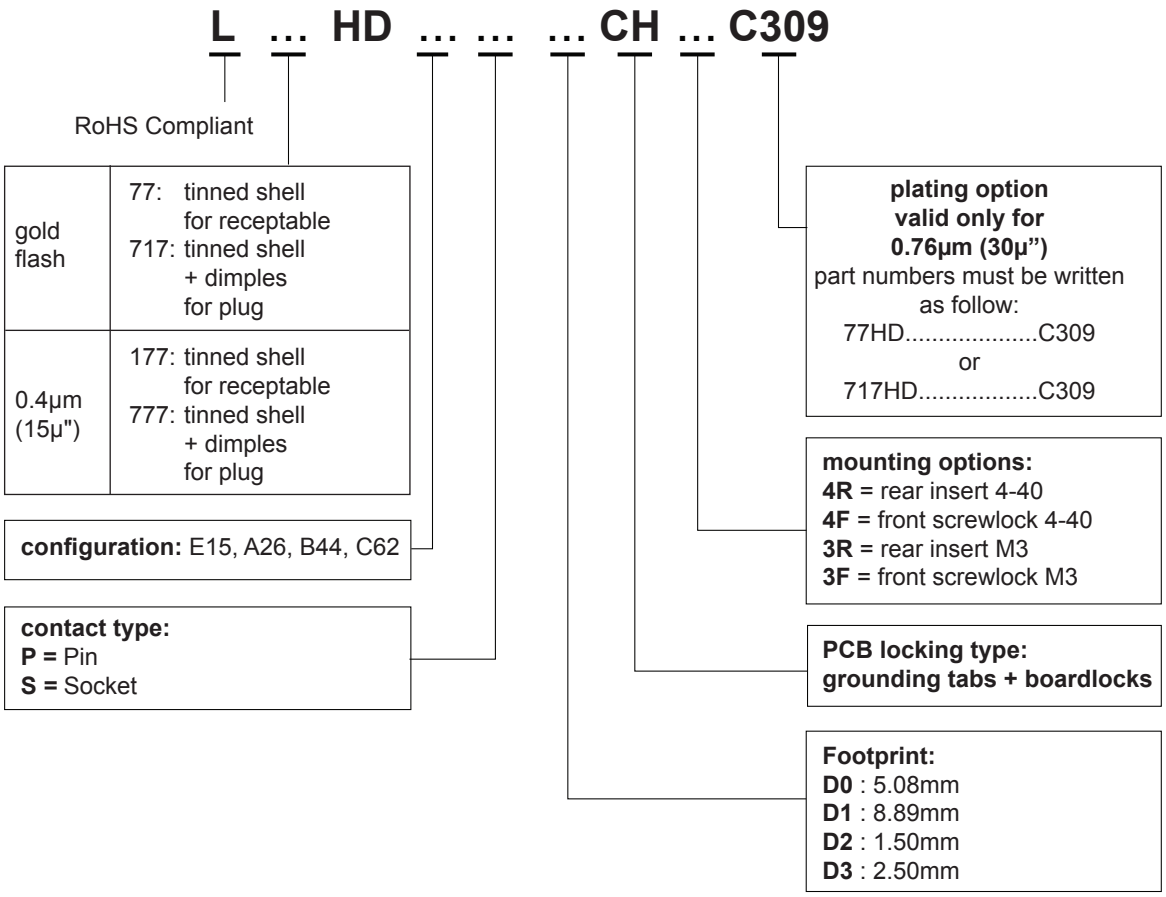
**4R / 3R**

# Shell size dimensions




| NB OF CONTACTS | DIMENSIONS mm (inch) | | | |
|---|---|---|---|---|
| | A | B | C | D |
| **15** | 30.84 (1.214) | 24.99 (.984) | 16.26 (.640) | 2.29 (.090) |
| **26** | 39.24 (1.545) | 33.32 (1.312) | 24.56 (.967) | 2.29 (.090) |
| **44** | 53.04 (2.088) | 47.04 (1.852) | 38.30 (1.508) | 2.29 (.090) |
| **62** | 69.34 (2.730) | 63.50 (2.500) | 54.76 (2.156) | 2.41 (.095) |

## How to order




***For special request, please consult factory***

**Do not hesitate to contact us for further information**

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