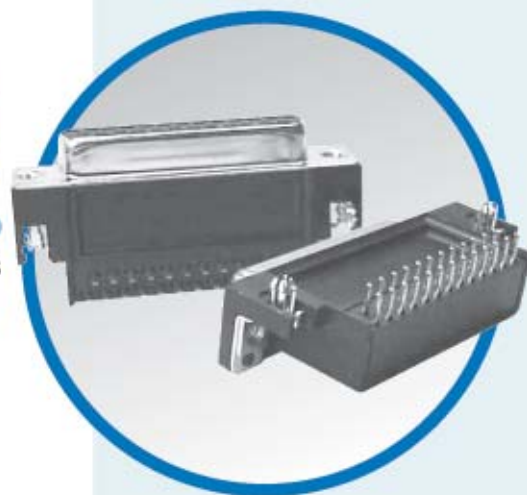


SD

D-Sub connectors - Stamped and Formed Contacts

RIGHT ANGLE BOARD MOUNT CONNECTORS FOOTPRINT 14.99 mm (.590")



Specifications

- Connectors according to MIL C24308

Materials and platings	
Shells	Steel with nickel plating
Insulator	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)
9 (size E)	3.05 (6.74)	0.36 (0.79)
15 (size A)	5.09 (11.24)	0.46 (1.01)
25 (size B)	8.44 (18.66)	0.81 (1.8)
37 (size C)	12.51 (27.65)	1.1 (2.47)

Standard plating thicknesses

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

DESCRIPTION

The Amphenol "SD" series features precision formed contacts and 4 finger boardlocks.

This series gives you Amphenol's high standards of quality and reliability to meet all of your commercial requirements.

*Economical
right angle PCB
mount
connectors*

APPLICATIONS

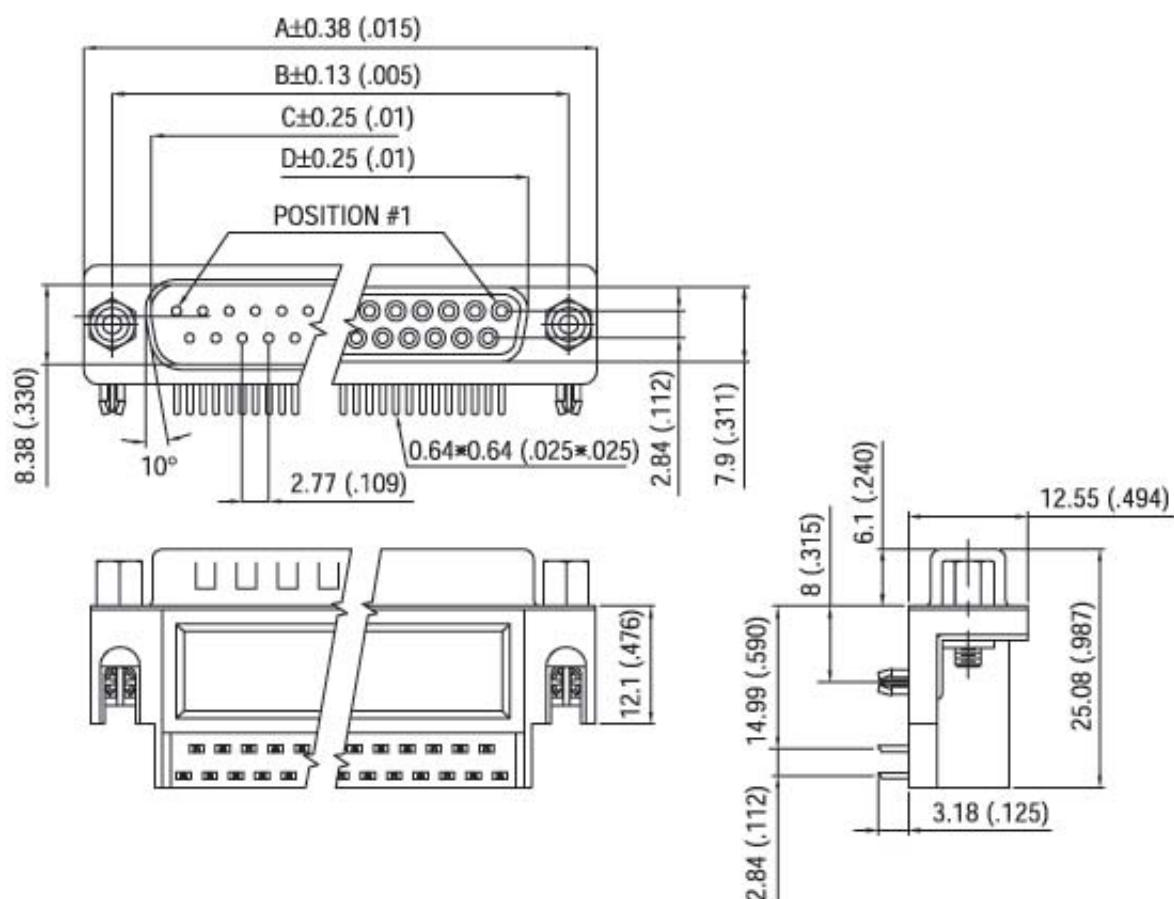
- Industrial
- Telecom
- Any industry standard I/O connections



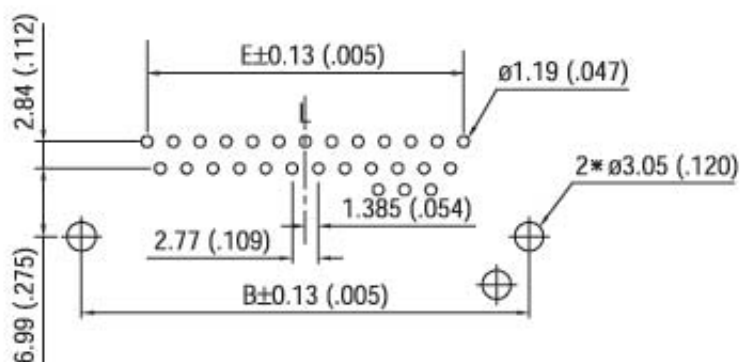
Amphenol

SD / E8

Shell Size Dimensions

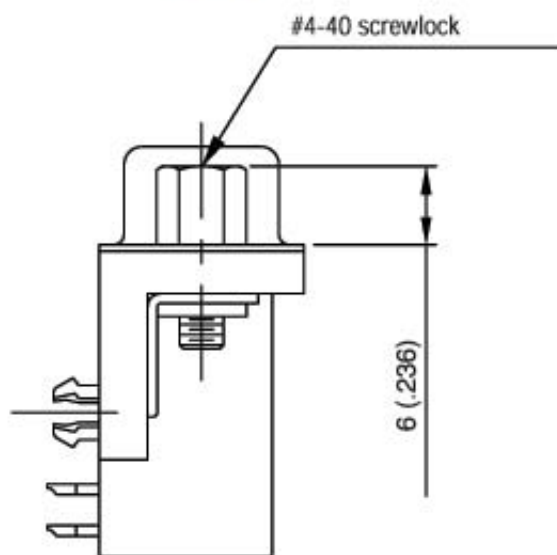


Recommended P.C.B. Layout

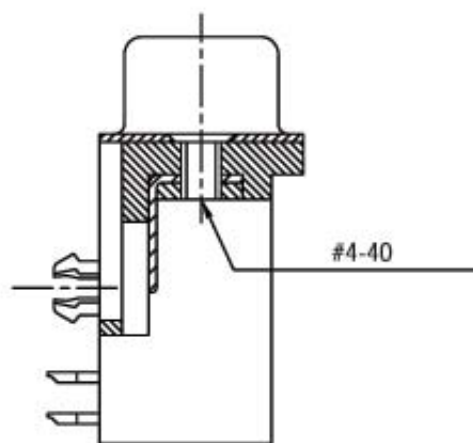


Nb of contacts	DIMENSIONS mm (inch)				
	A	B	C	D	E
9	30.84 (1.214)	24.99 (.984)	16.92 (.666)	16.26 (.640)	11.08 (.436)
15	39.24 (1.545)	33.32 (1.312)	25.25 (.994)	24.56 (.967)	19.39 (.763)
25	53.04 (2.088)	47.04 (1.852)	38.96 (1.534)	38.30 (1.508)	33.24 (1.309)
37	69.34 (2.730)	63.50 (2.500)	55.42 (2.182)	54.76 (2.156)	49.86 (1.963)

Panel mounting option



Front Female Screwlock
4F



Threaded Rear Insert
4R

How to order

L **....** **SD** **....** **....** **....** **AB** **CH** **....** **C 309**

RoHS Compliant

gold flash	77	tinned shell for receptable
	717	tinned shell + dimples for plug
0.4µm (15µ")	177	tinned shell for receptable
	777	tinned shell + dimples for plug

shell size: E,A,B,C

configuration: 09,15,25,37

contact type:
P = pin
S = socket

Plating option:
valid only for 0.76µm (30µ")
part numbers must be written as follow:
77SD.....C309
or
717SD.....C309

mounting options:
4F = front screwlock 4-40
4R = rear insert 4-40

PCB locking type:
grounding tabs + boardlocks

footprint: 14.99 mm (.590")

For special request, please consult factory

Memo

Do not hesitate to contact us for further information

Amphenol

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