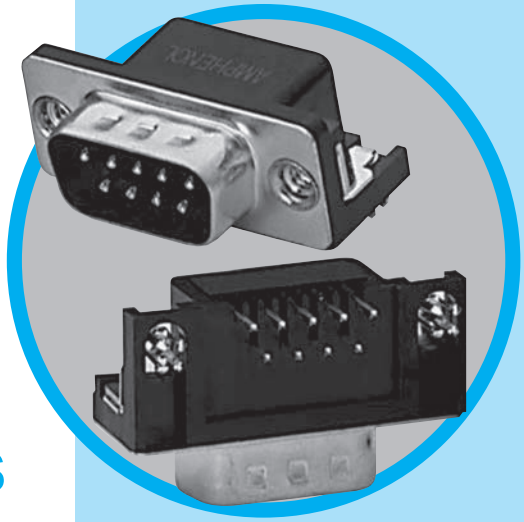
SD

D'Sub connectors - Stamped and Formed Contacts



RIGHT ANGLE BOARD MOUNT CONNECTORS

CHARACTERISTICS

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	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	1000MΩ at 500V DC
Contact resistance	20mΩ max

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

Mechanical Data

Single contact insertion force 0.54kg (1.19lb) max
Single contact withdrawal force 0.06kg (0.13lb) min

Mating and unmating force
Unit: kg (lb)

	A4 Style		1A Style	
No. of Cts	**Mate (max)**	**Unmate (min)**	**Mate (max)**	**Unmate (min)**
9	3.05 (6.74)	0.36 (0.79)	4.6 (10.17)	0.4 (0.88)
15	5.09 (11.24)	0.46 (1.01)	7.7 (17.02)	0.5 (1.10)
25	8.44 (18.66)	0.81 (1.8)	12.7 (28.07)	0.8 (1.77)
37	12.51 (27.65)	1.1 (2.47)	17.7 (39.12)	1.2 (2.65)

Standard plating thickness
- gold flash
- 0.381µm (15µ") gold
- 0.76 µm (30µ") gold

DESCRIPTION

The Amphenol "SD" series features precision formed contacts and 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

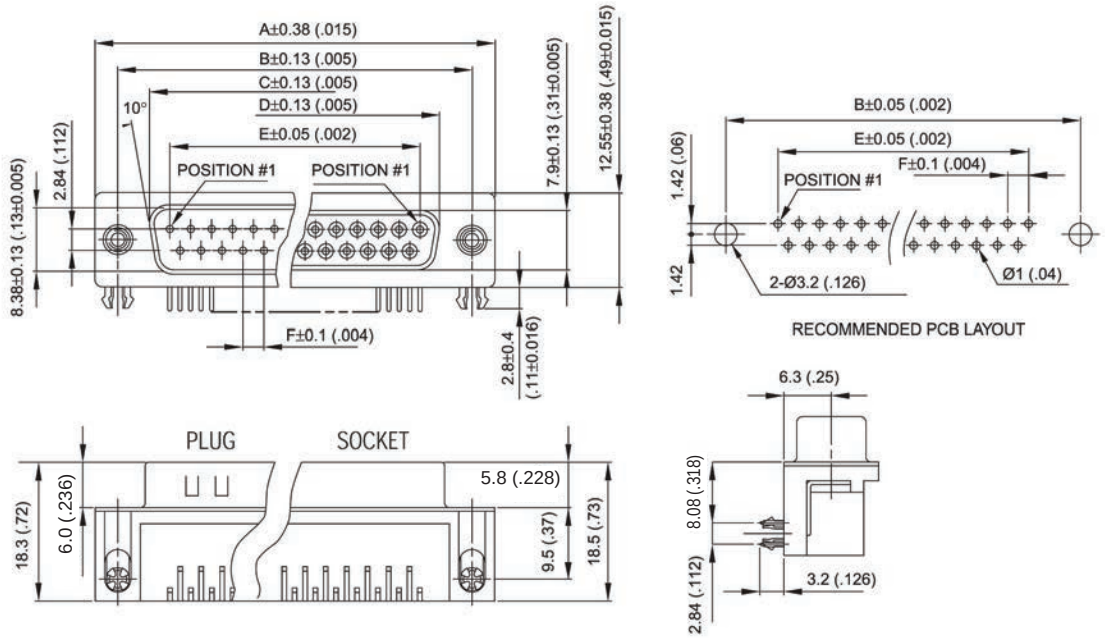
SD / E7

Amphenol RoHS Compliant EU 2002/95/EC

Amphenol

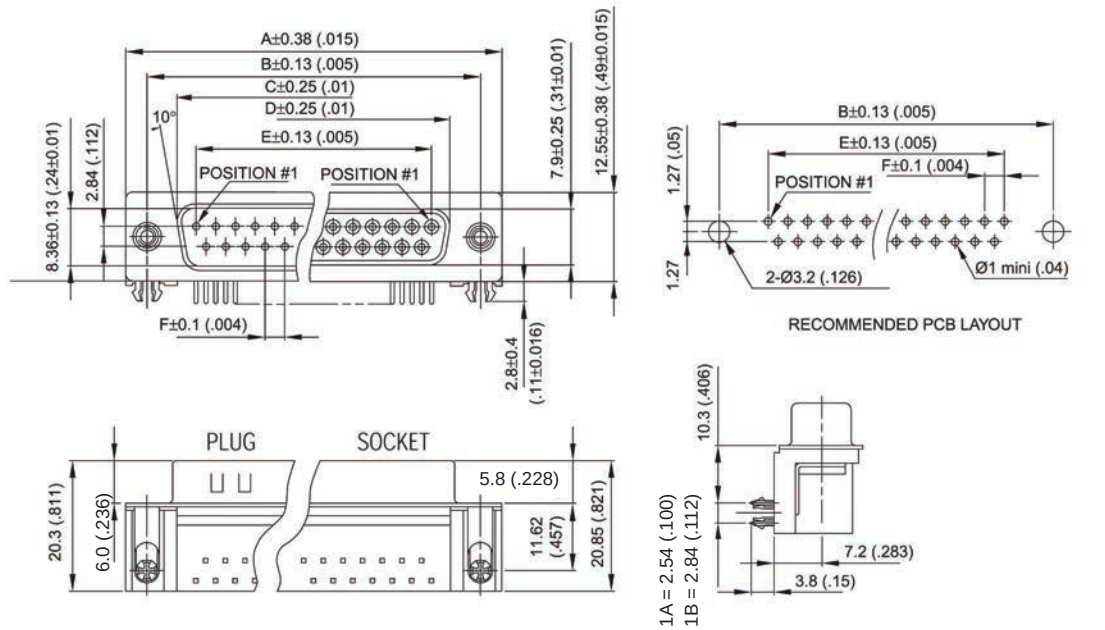
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A4 style (MIL Footprint)



Nb OF CONTACTS	DIMENSIONS mm (inch)					
	A	B	C	D	E	F
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	2.77 (.109)
15	39.14 (1.54)	33.32 (1.31)	25.25 (.99)	24.56 (.97)	19.39 (.76)	2.77 (.109)
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	2.77 (.109)
37	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	49.86 (1.96)	2.77 (.109)

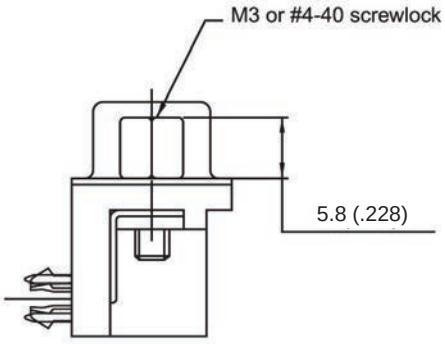
1A / 1B style (European Footprint)



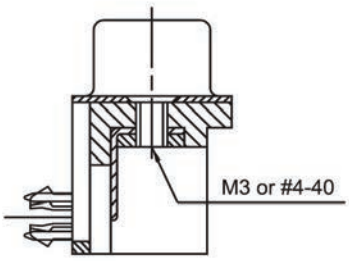
Nb OF CONTACTS	DIMENSIONS mm (inch)					
	A	B	C	D	E	F
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.96 (.43)	2.77 (.109)
15	39.1 (1.54)	33.32 (1.31)	25.25 (.99)	24.66 (.97)	19.18 (.755)	2.77 (.109)
25	53.09 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	2.77 (.109)
37	69.4 (2.73)	63.50 (2.50)	55.42 (2.18)	54.84 (2.16)	49.86 (1.96)	2.77 (.109)

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Panel mounting option



Front Female Screwlock
4F / 3F



Threaded Rear Insert
4R / 3R

Example: **L717 SD E 09 P A4 CH 4F**
L77 SD B 25 S 1A CH 4R

How to order

L ... SD ... ... CH ... C309

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 = plug
S = socket

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

mounting options
4F = front screwlock 4-40
3F = front screwlock M3
4R = rear insert 4-40
3R = rear insert M3

PCB locking type
grounding tabs
+ board locks

footprint
1A = European (10.3mm, 2.54mm pitch)
1B = European (10.3mm, 2.84mm pitch)
A4 = MIL (8.08mm)

For special request, please consult factory

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NOTES

Memo

Do not hesitate to contact us for further information

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