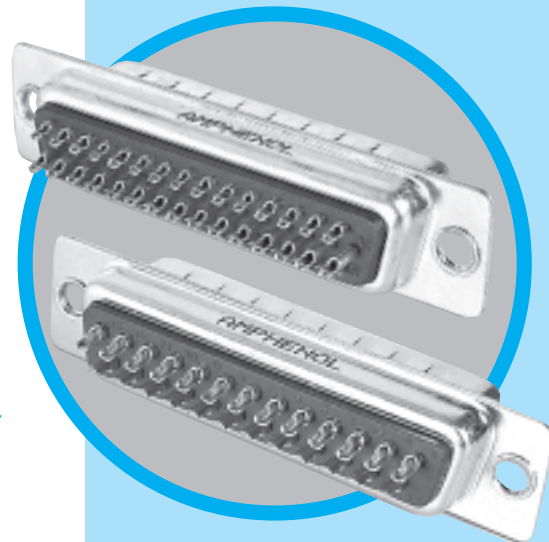


SD

D'Sub connectors - Stamped and Formed Contacts

SOLDER-CUP TERMINATION STANDARD and HIGH DENSITY



CHARACTERISTICS

Specifications

- UL File: E149426
- Connectors according to MIL C24308

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 (100µ") min. tin on termination area over 1.27µm (50µ") min. nickel
Rear insert	Brass, 2.54µm (100µ") min. nickel plated
Screwlock	Brass, 2.54µm (100µ") min. nickel plated

Electrical Data	
Current rating	Standard Density: 5A High Density: 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 force0.54kg (1.19lb) max

Single contact withdrawal forceSD : 0.06kg (0.13lb) min

HD : 0.02kg (0.044lb) min

Mating and unmating force

Unit: kg (lb)

No. of Cts		SD		HD	
SD	HD	Mate (max)	Unmate (min)	Mate (max)	Unmate (min)
9	15	3.05 (6.74)	0.36 (0.79)	3.81 (8.42)	0.52 (1.14)
15	26	5.09 (11.24)	0.46 (1.01)	5.95 (13.16)	1.05 (2.32)
25	44	8.44 (18.66)	0.81 (1.8)	9.26 (20.46)	1.37 (3.02)
37	62	12.51 (27.65)	1.1 (2.47)	13.48 (29.78)	1.76 (3.88)
50	78	14.65 (32.38)	1.6 (3.56)	15.82 (34.96)	2.02 (4.46)

Standard plating thickness

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

DESCRIPTION

The Amphenol "SD" series features precision formed contacts, and insulator with closed entry contacts cavities.

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

*Economical
solder cup
connectors*

APPLICATION

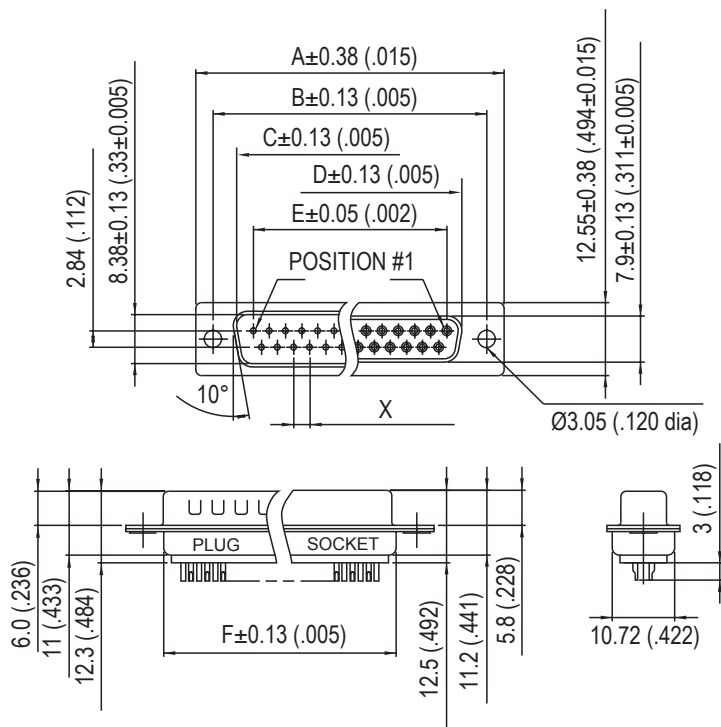
- Industrial
- Telecom
- Any industry standard I / O connections



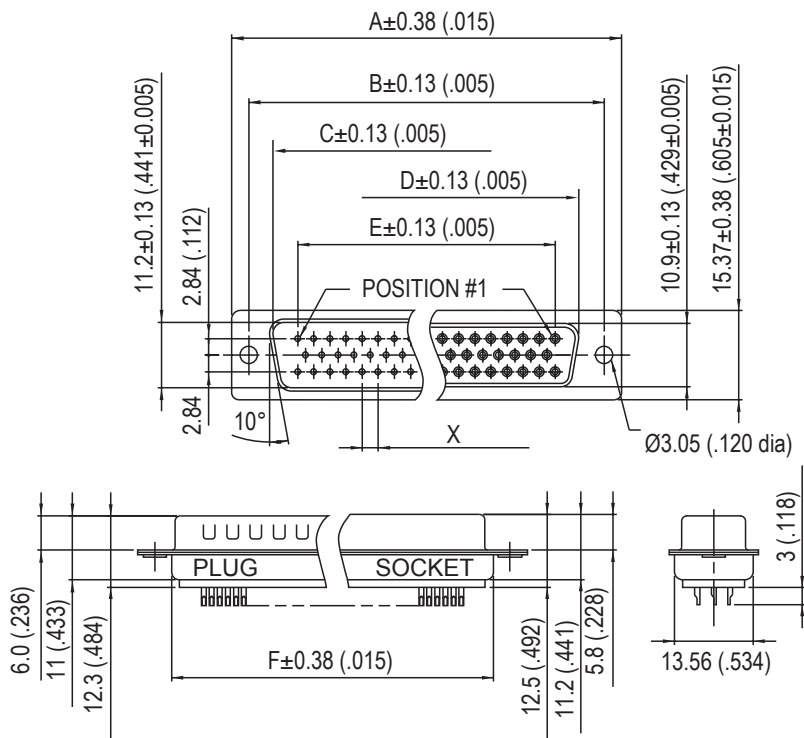
Amphenol

SD / E5

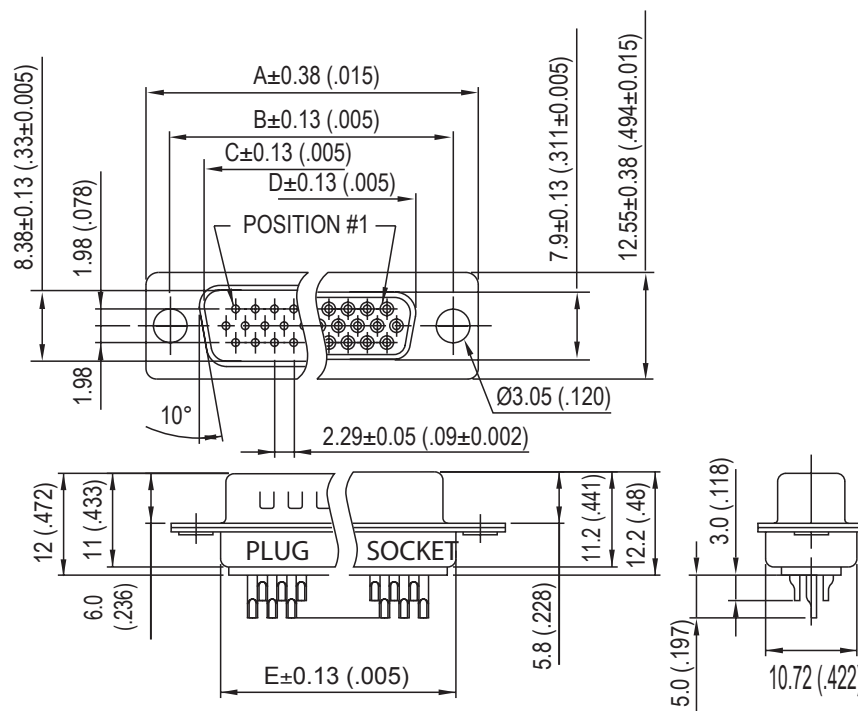
Standard Density



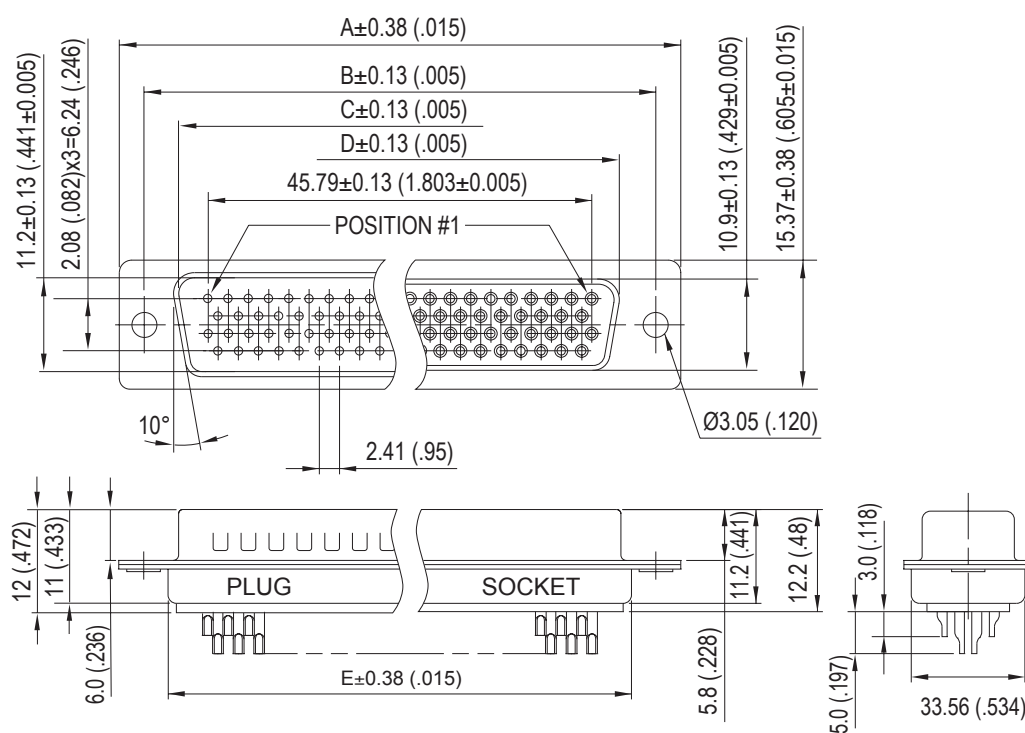
Nb OF CONTACTS	DIMENSIONS mm (inch)						
	A	B	C	D	E	F	X
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	19.28 (.76)	2.77
15	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	19.39 (.76)	27.51 (1.08)	2.77
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	41.30 (1.63)	2.77
37	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	49.86 (1.96)	57.71 (2.27)	2.77
50	67 (2.64)	61.11 (2.41)	52.86 (2.08)	52.34 (2.06)	44.32 (1.75)	55.3 (2.18)	2.77



High Density

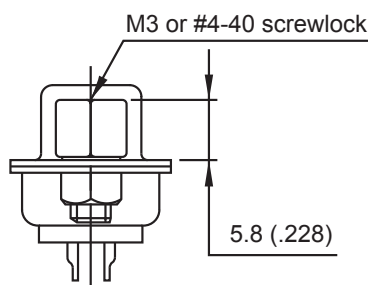


Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	D	E
15	30.84 (.121)	24.99 (.98)	16.92 (.67)	16.24 (.64)	19.28 (.76)
26	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	27.51 (1.08)
44	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	41.30 (1.63)
62	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	57.71 (2.27)
78	67 (2.64)	61.11 (2.41)	52.86 (2.08)	52.34 (2.06)	55.3 (2.18)

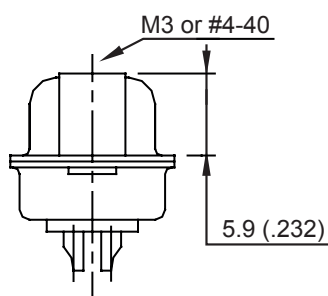


78 CONTACTS

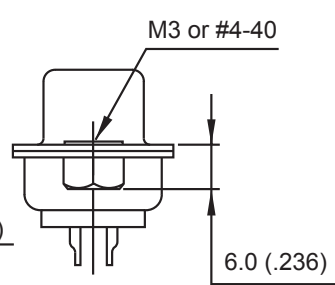
Panel mounting option



Female Screwlock
VF / VFM



Fixed Female Screwlock
4F / 3F



Threaded Rear Insert
H / G

How to order

Examples: L 717 SD E H 09 P VF C309
L 77 SD E 09 S 4F

L **...** **...** **...** **...** **...** **...** **...** **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

Density:
SD = Standard density
HD = High density

Shell size:	SD	HD
E =	9	15
A =	15	26
B =	25	44
C =	37	62
D =	50	78

Rear mounting option:
H = Rear insert 4-40
G = Rear insert M3
H or G required with VF or VFM

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

Front mounting option:
no digit = 3.05mm rivet
4F = Fixed screwlock 4-40
3F = Fixed screwlock M3
VF = Screwlock 4-40
VFM = Screwlock M3

Contact type:
P = Plug
S = Socket

Configuration:
09,15,25,37,50 = SD
15,26,44,62,78 = HD

For special request, please consult factory

Do not hesitate to contact us for further information

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Mouser Electronics

Authorized Distributor

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[L77HDB44SVFMC309](#) [L77HDCG62SC309](#) [L77HDE15SVFMC309](#) [L77SDA15SC309PBZ](#)
[L77SDC37S1ATNR106RM6C309](#) [L77SDE09SA4CN4RC309B211](#) [L77SDE09S4FC309PBZ](#) [L77SDE09SC309PBZ](#)
[L77SDB25SVFMC309](#) [L77SDE09SA4C0C309](#) [L77HDAG26SC309](#) [L77SDA15SA4CG4FC309](#) [L77HDE15SC309Z](#)
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[L77SDE09SA4CG4RC309](#) [L77SDE09S1ACO4F](#) [L77SDC37S1ACO3R](#) [L77SDEH09SOL2GT36](#)
[L77SDE09S1ACN4FC309](#) [L77SDB25S1A4R](#) [L77SDE09SABCO4RC309](#) [L77SDA15STA113](#) [L77SDE09SA4CO](#)
[L77SDAH15SVFMC309](#) [L77SDE09S1A4R](#) [L77SDE09SA4COC309](#) [L77SDE09SABCO4R](#) [L77SDEH09SOL2RM8GF](#)
[L77HDBG44S](#) [L77HDCG62S](#) [L77HDBG44P](#) [L77HDDG78S](#) [L77HDBH44P](#) [L77HDAG26P](#) [L77HDD78PVFM](#)
[L77HDEG15S](#) [L77HDDG78P](#) [L77HDDH78P](#) [L77HDEG15P](#) [L77HDAG26S](#) [L77HDEH15P](#) [L77HDCG62P](#)
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[L77SDAH15S1AMNR106RM6](#) [L77SDD50SVF](#) [L77SDE09SVFM](#) [L77SDDG50S](#) [L77SDB25SVFM](#)
[L77SDE09SA4R215](#) [L77SDA15SVFM](#) [L77SDBH25P](#) [L77SDC37PVFM](#) [L77SDD50PVF](#) [L77SDDG50P](#)
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