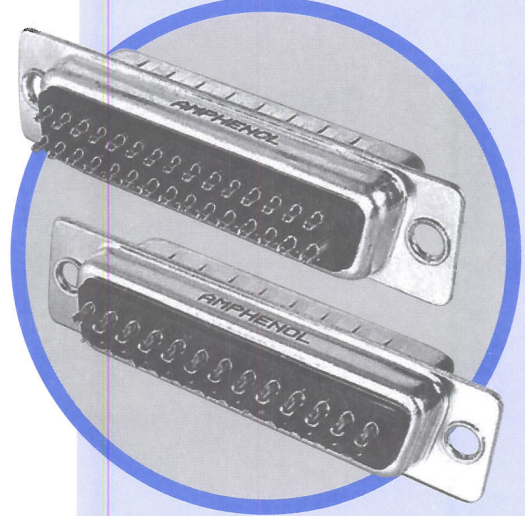


SD

D'Sub connectors - Stamped and Formed Contacts

SOLDER-CUP TERMINATION STANDARD and HIGH DENSITY



CHARACTERISTICS

Specifications

- Connectors according to: MIL C24308 - NFC 93425-HE5

Materials and Platings	
Shells	Steel, bright tin over nickel plating
Insulator	Glass-filled thermoplastic, UL 94V-0
Pin contacts	Brass, selected gold in mating area; 2.54µm (100µ") min. tin on termination area over 1.27µm (50µ") min. nickel
Socket contact	Phosphor bronze, 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

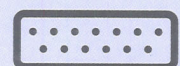
The Amphenol "SD" series features precision formed contacts, and insulator with closed entry contacts cavities.

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

*Economical
solder cup
connectors*

APPLICATIONS

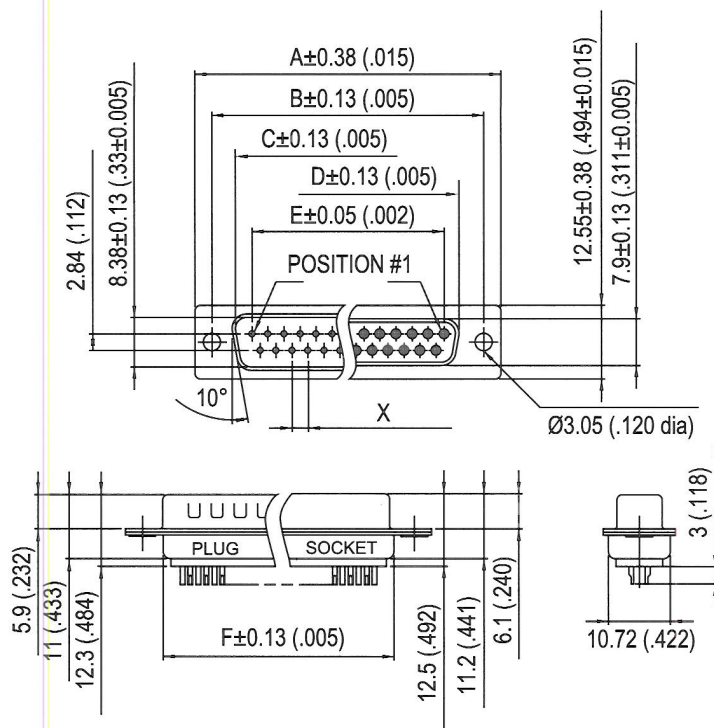
- Industrial
- Telecom
- Any industry standard I / O connections



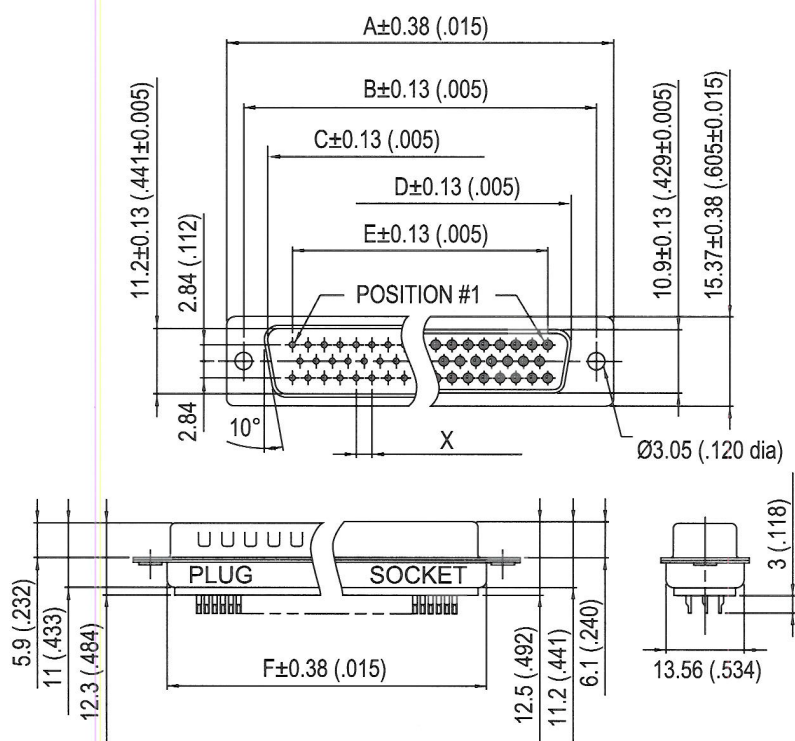
Amphenol

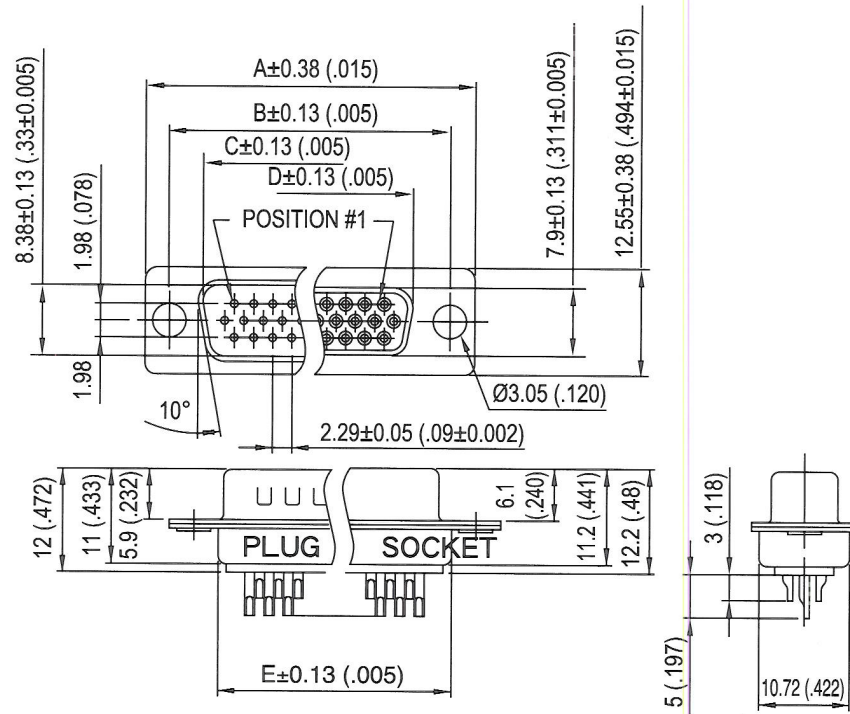
SD / E5

Standard Density

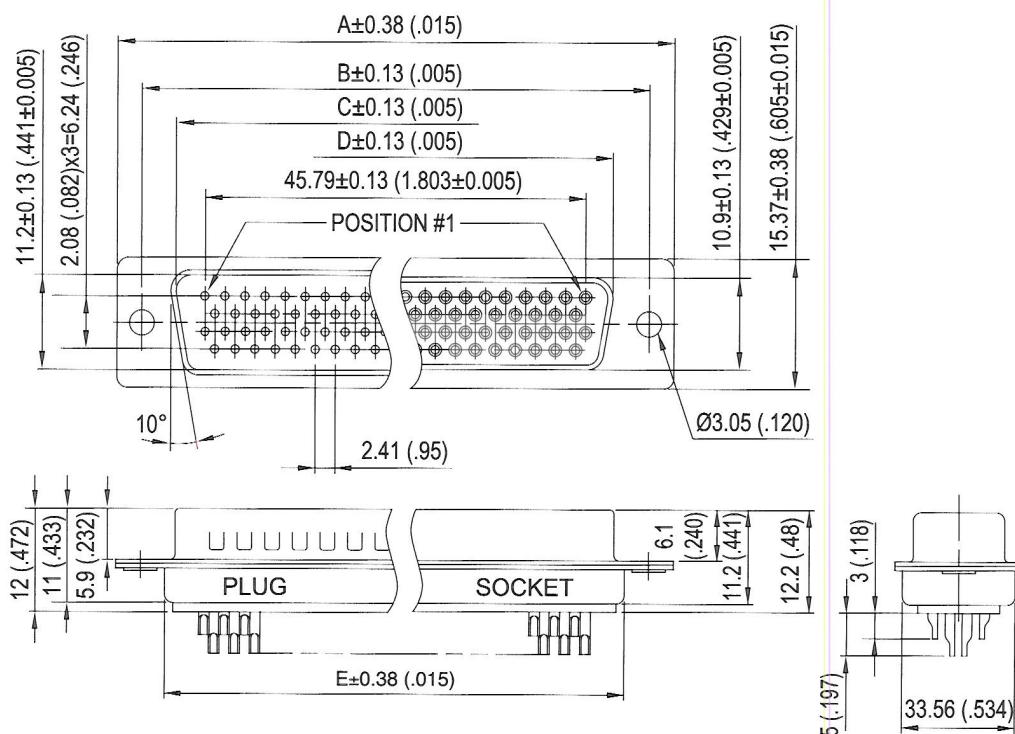


Nb OF CONTACTS	DIMENSIONS mm (inch)						
	A	B	C	D	E	F	X
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	19.28 (.76)	2.74
15	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	19.39 (.76)	27.51 (1.08)	2.74
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	41.30 (1.63)	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



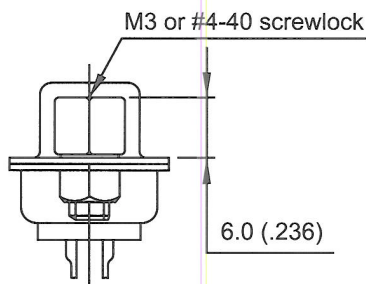


Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	D	E
15	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	19.28 (.76)
26	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	27.51 (1.08)
44	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	41.30 (1.63)
62	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	57.71 (2.27)
78	67 (2.64)	61.11 (2.41)	52.86 (2.08)	52.34 (2.06)	55.3 (2.18)

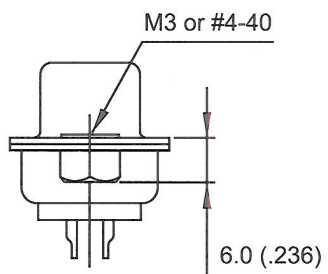


78 CONTACTS

Panel mounting option



Front Female Screwlock
VF / VFM



Threaded Rear Insert
H / G

How to order

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								
SD : standard density HD : high density									
shell size: E, A, B, C, D									
rear mounting type: H = rear insert 4-40 G = rear insert M3									
									plating option: valid only for 0.76μm (30μ") part numbers to be written as follow: or 77.....C309 717.....C309
									front mounting type: no digit = standard rivet 3.05mm VF = front screwlock 4-40 VFM = front screwlock M3
									contact type: P = pin S = socket
									configuration: SD : 9,15,25,37,50 HD : 15,26,44,62,78

For special request, please consult factory

Do not hesitate to contact us for further information

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Amphenol

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Mouser Electronics

Authorized Distributor

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[L717SDDG50PC309](#) [L717SDDH50PC309](#) [L77HDDH78SC309](#) [L77HDEG15SC309](#) [L77HDDG78SC309](#)
[L77SDDH50SC309](#) [L77SDDG50SC309](#) [L777HDDG78P](#) [L777HDDH78P](#) [L777HDEG15P](#) [L777HDEH15P](#)
[L777SDDG50P](#) [L777SDDH50P](#)