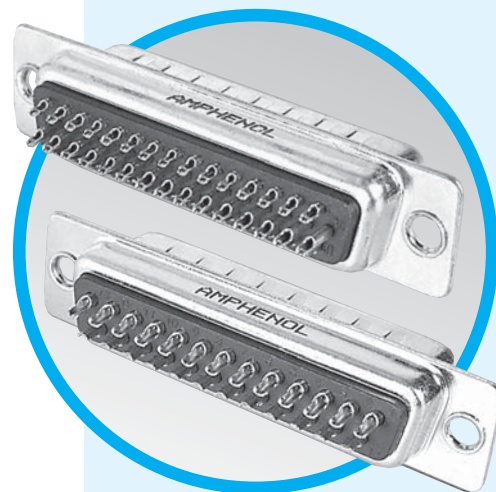


SD

D'Sub connectors - Stamped and Formed Contacts

SOLDER-CUP TERMINATION STANDARD and HIGH DENSITY



Spécifications

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

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

Electrical Data	
Current rating	Standard Density: 5A per contact High Density: 3A per contact
Voltage rating	250V AC/ rms 50Hz
Withstanding voltage	1000V AC/ rms 50Hz for one minute
Insulation resistance	1000MΩ at 500V DC
Contact resistance	20 mΩ max

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

Mechanical Data					
Single contact insertion force		0.54kg (1.19 lb) max			
Single contact withdrawal force		S D: 0.06kg (0.13lb) min H D: 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 thicknesses					
• gold flash,					
• 0.381µm (15µ") gold,					
• 0.76 µm (30µ") gold					

DESCRIPTION

The Amphenol "SD" series features precisionformed 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

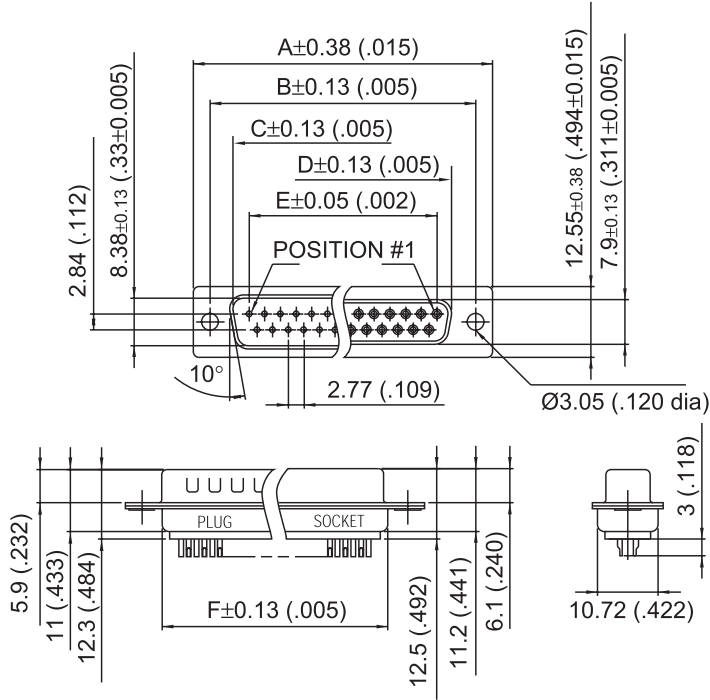
- Industrial
- Telecom
- Any industry standard I / O connections



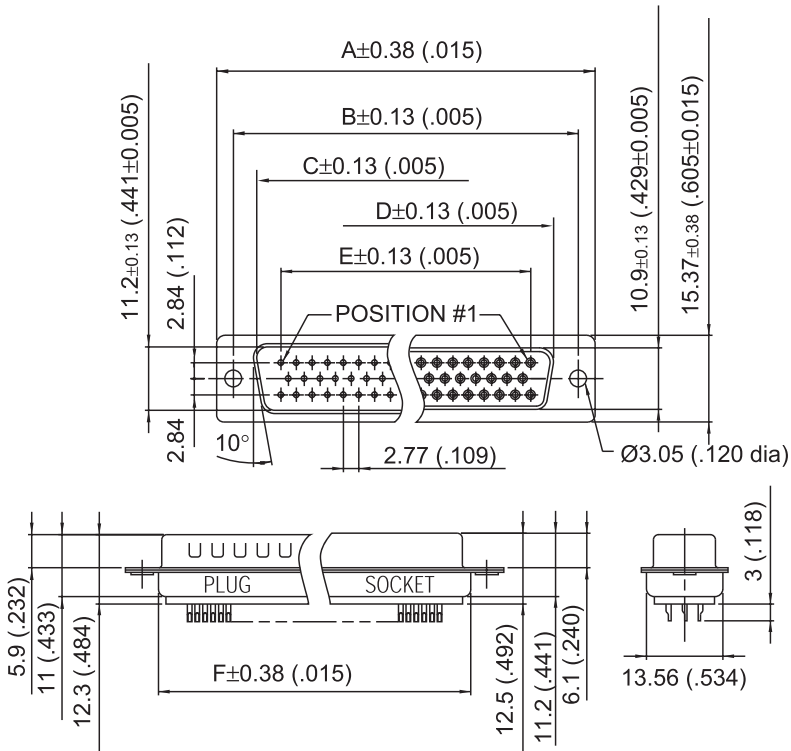
Amphenol

SD / E5

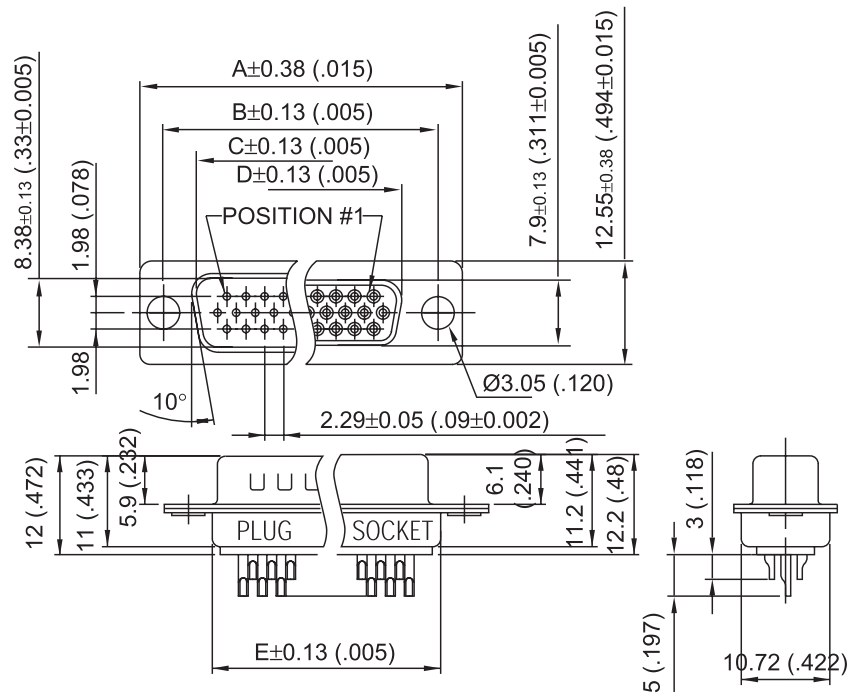
Standard Density



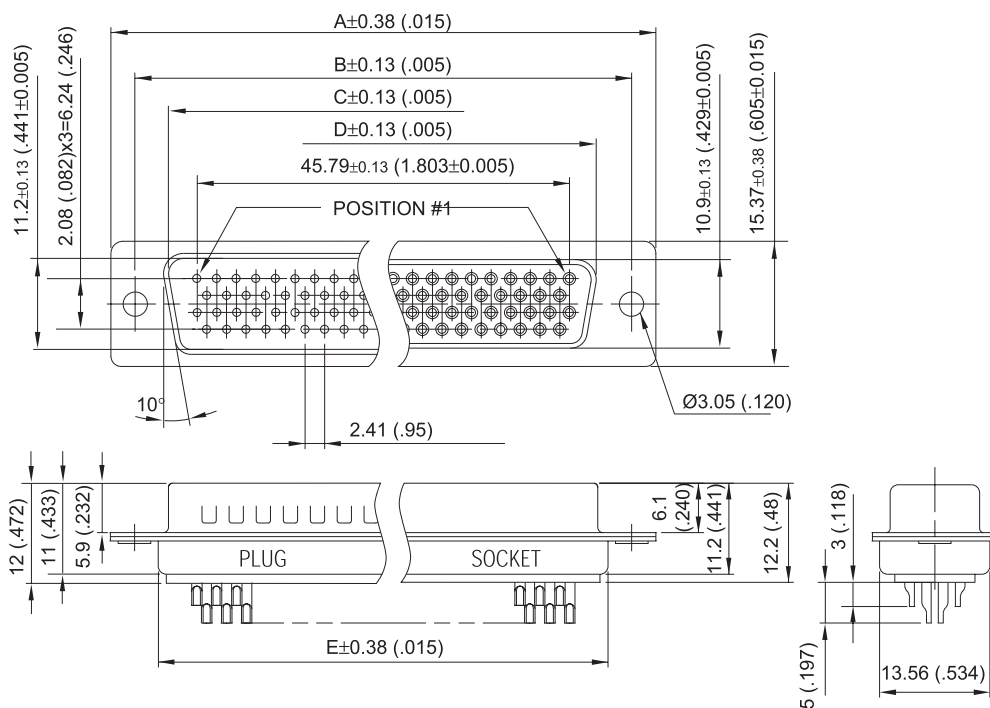
Nb OF CONTACTS	DIMENSIONS mm (inch)					
	A	B	C	D	E	F
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	19.28 (.76)
15	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	19.39 (.76)	27.51 (1.08)
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	41.30 (1.63)
37	69.32 (2.73)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



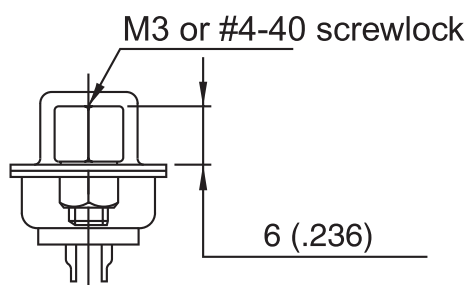
50 CONTACTS



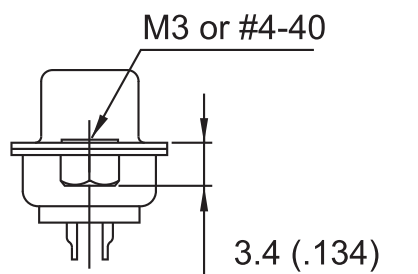
Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	D	E
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**78 CONTACTS**

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							plating option: valid only for 0.76μm (30μ") part numbers to be written as follow: or 77.....C309 717.....C309
0.4μm (15μ")	177: tinned shell for receptable 777: tinned shell + dimples for plug							
SD: standard density HD: high density								front mounting type : no digit = standard rivet 3.05mm VF = front screwlock 4-40 VFM = front screwlock M3
shell size: E, A, B, C, D								
rear mounting type : H = rear insert 4-40 G = rear insert M3 no digit = standard rivet 3.05mm								contact type : P = pin S = socket
								configuration : SD : 9,15,25,37,50 HD : 15,26,44,62,78

■ : Standard options

For special request, please consult factory

Do not hesitate to contact us for further information

Amphenol

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[L77SDAH15SVF](#) [L77SDD50SVF](#) [L77SDCH37S](#) [L77SDE09SVFM](#) [L77SDEH09S](#) [L77SDDG50S](#) [L77SDB25SVFM](#)
[L77SDA15SVFM](#)