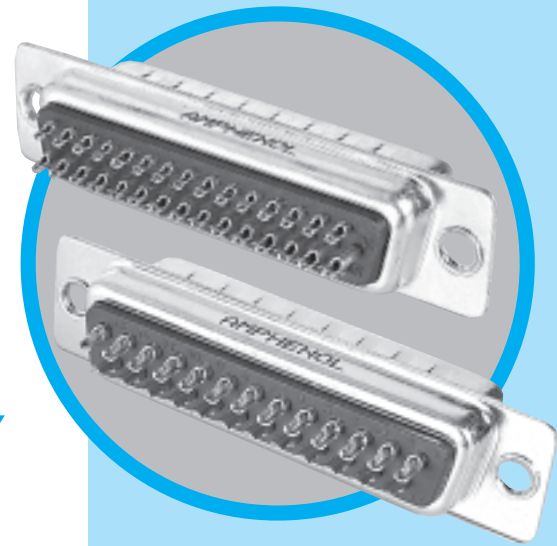


SD

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
Rear insert	1.27µm (50µ") min. nickel
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 force		0.54kg (1.19lb) max			
Single contact withdrawal force		SD : 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		<ul style="list-style-type: none"> • 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

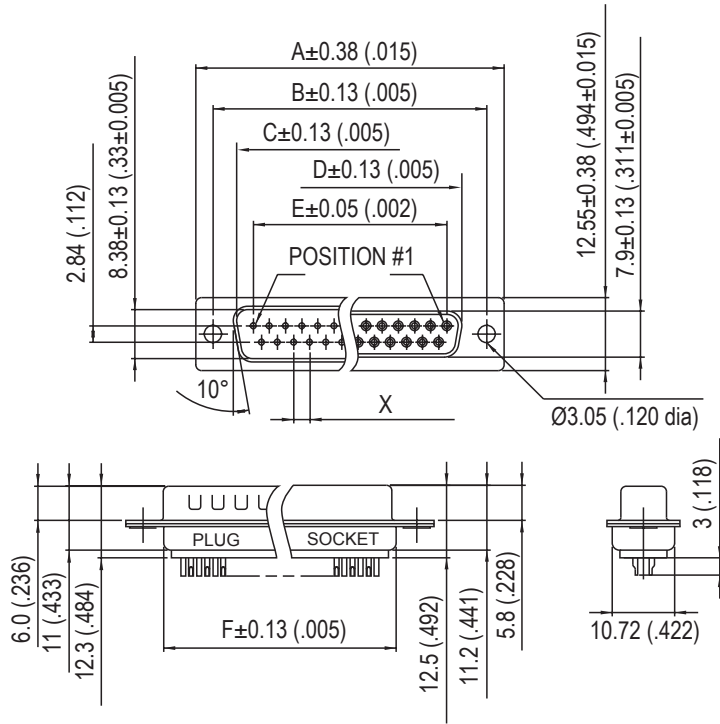
- Industrial
- Telecom
- Any industry standard I/O connections



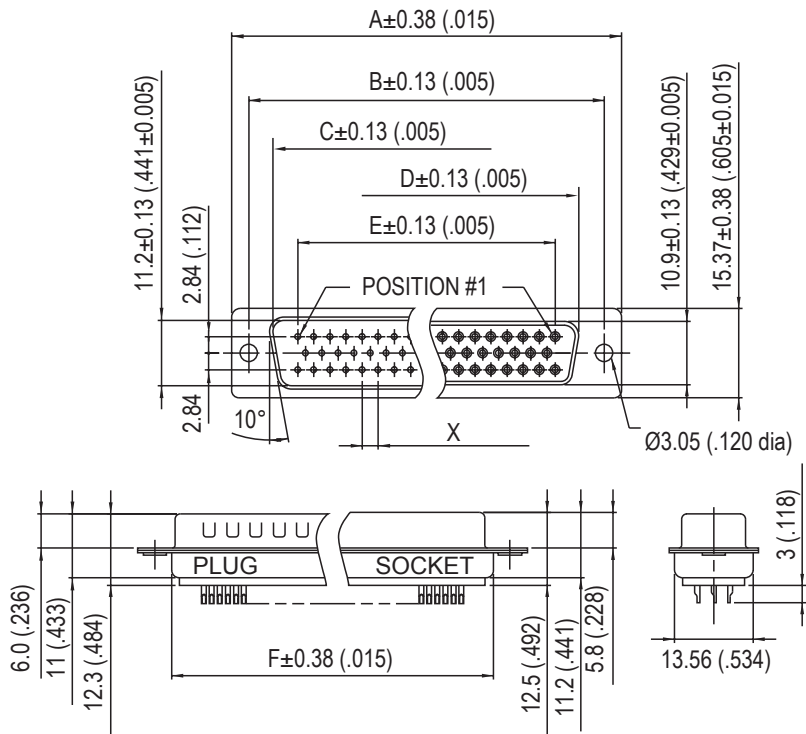
Amphenol

SD / E5

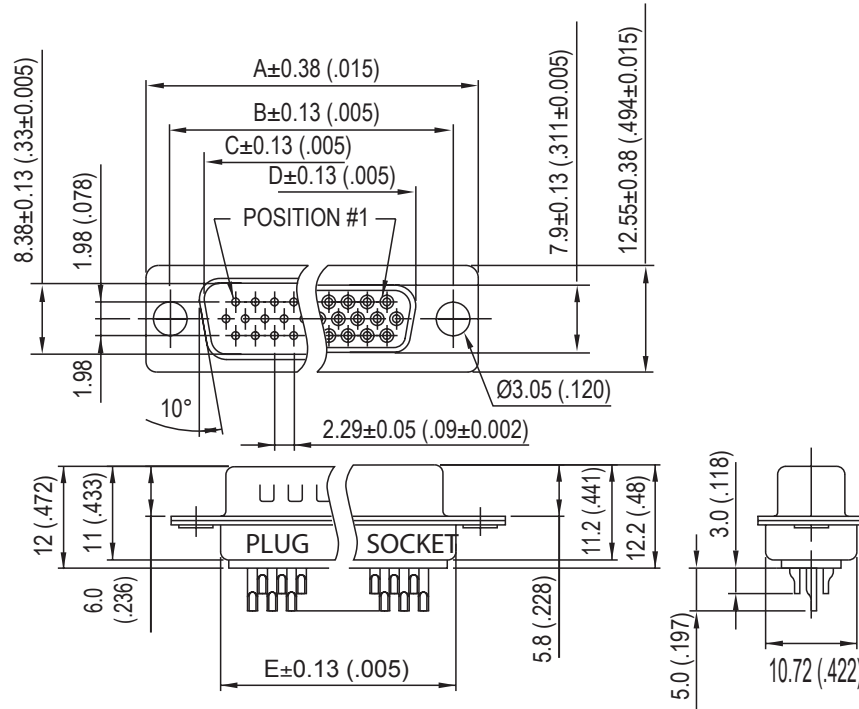
Standard Density



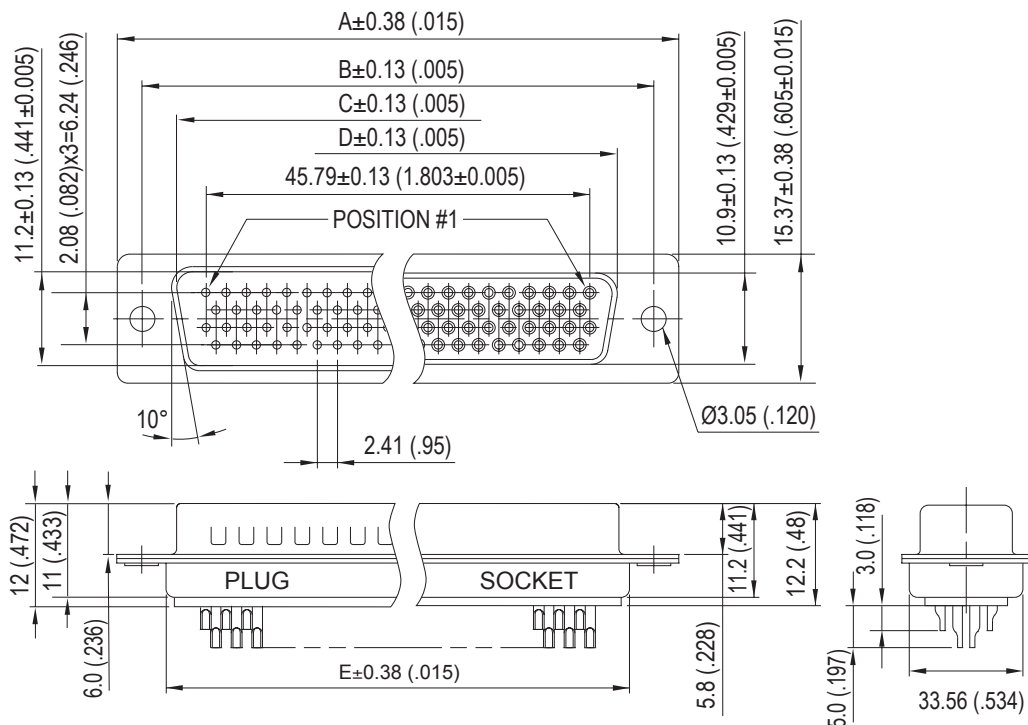
Nb OF CONTACTS	DIMENSIONS mm (inch)						
	A	B	C	D	E	F	X
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	19.28 (.76)	2.77
15	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	19.39 (.76)	27.51 (1.08)	2.77
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	41.30 (1.63)	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

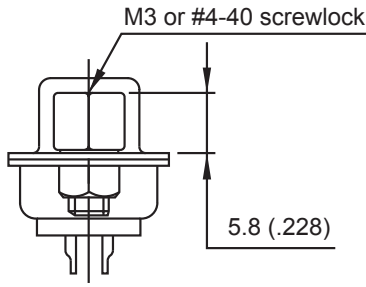


Nb OF CONTACTS	DIMENSIONS mm (inch)				
	A	B	C	D	E
15	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	19.28 (.76)
26	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	27.51 (1.08)
44	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	41.30 (1.63)
62	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)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

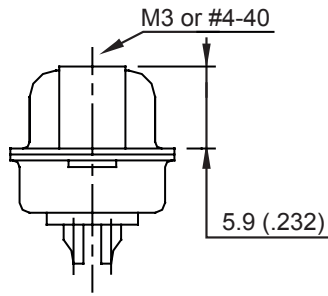


78 CONTACTS

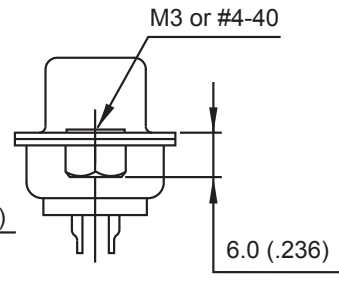
Panel mounting option



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

C309

L
RoHS Compliant									
Gold flash	77: tinned shell for receptable for plug 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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