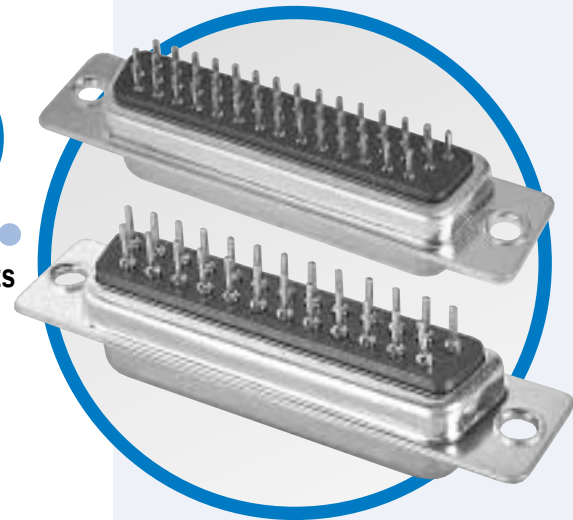


SD

D'Sub connectors - Stamped and Formed Contacts

STRAIGHT PCB TERMINATION
STANDARD and HIGH DENSITY



MAIN CHARACTERISTICS

Spécifications

- UL File: E149426
- 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 (100µ") min. tin-lead on termination area over 1.27µm (50µ") min. nickel
Socket contact	Phosphor bronze, selected gold in mating area; 2.54µ (100µ") min. tin-lead 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 (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 Pos		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
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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
straight PCB
mount connectors*

APPLICATIONS

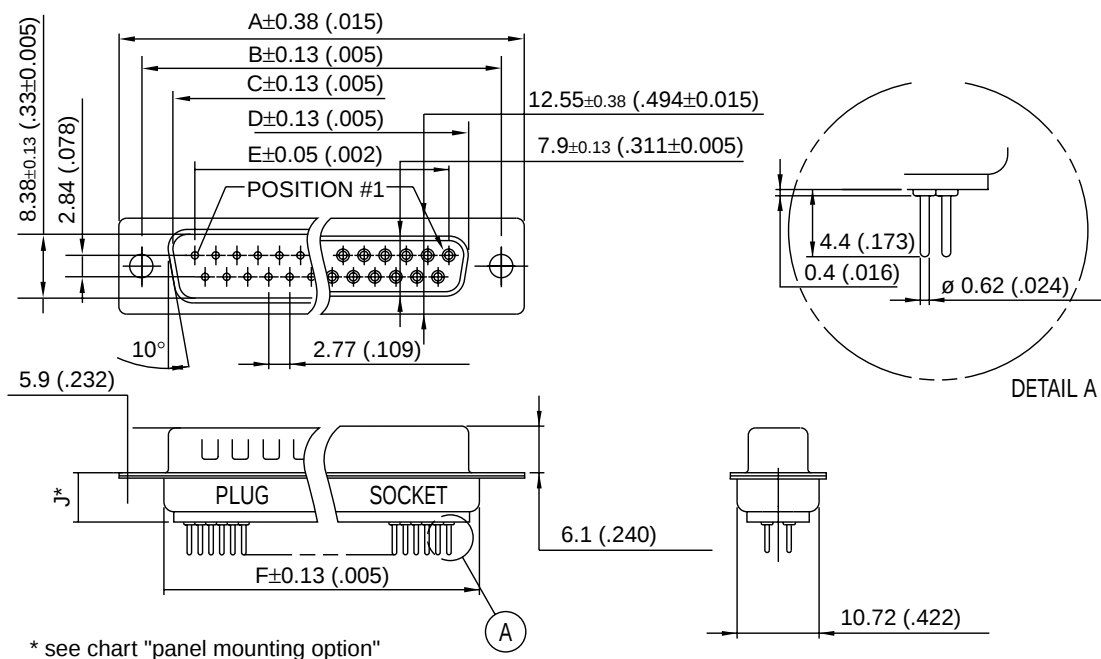
- Industrial
- Telecom
- Any industry standard I / O connections

SD / E6

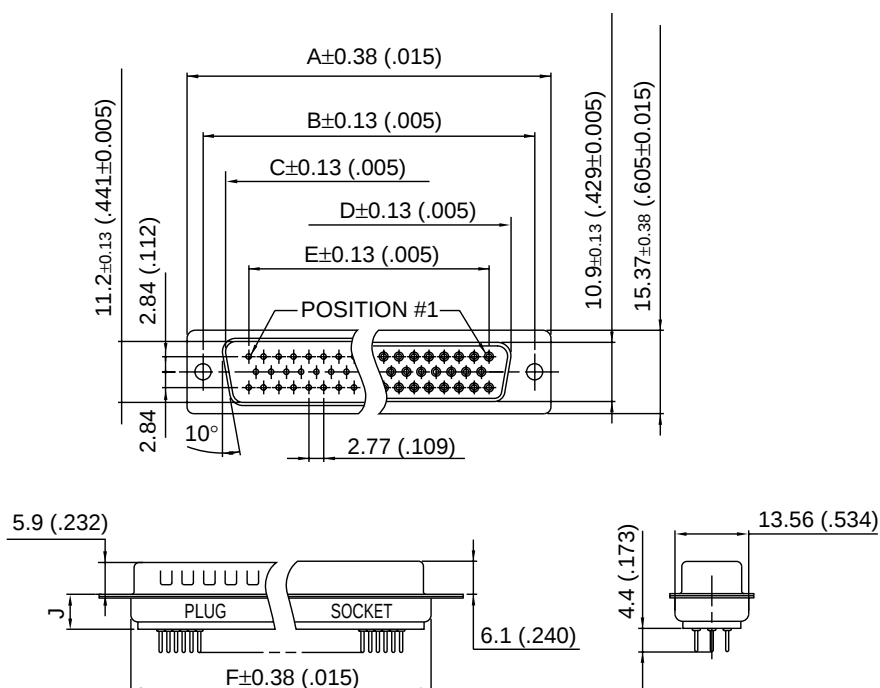


Amphenol

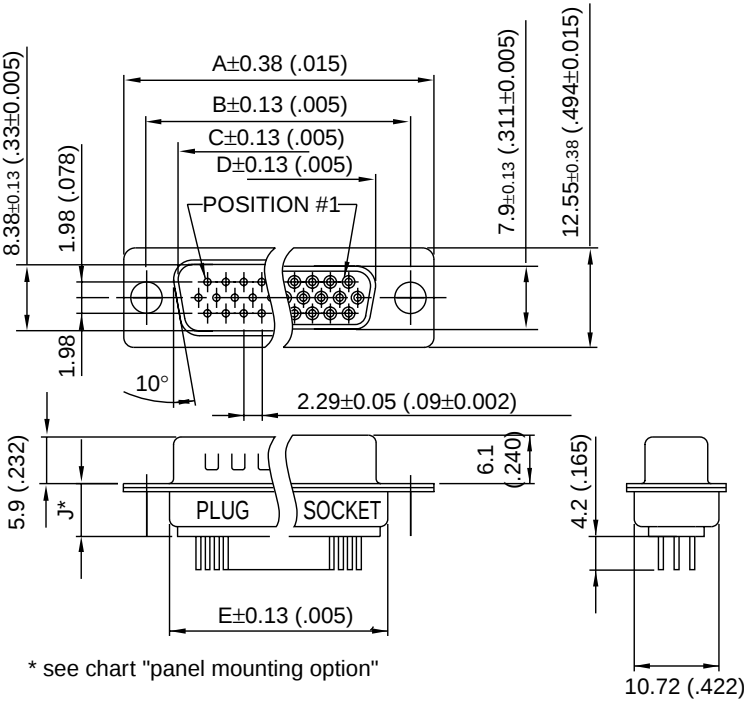
Standard Density



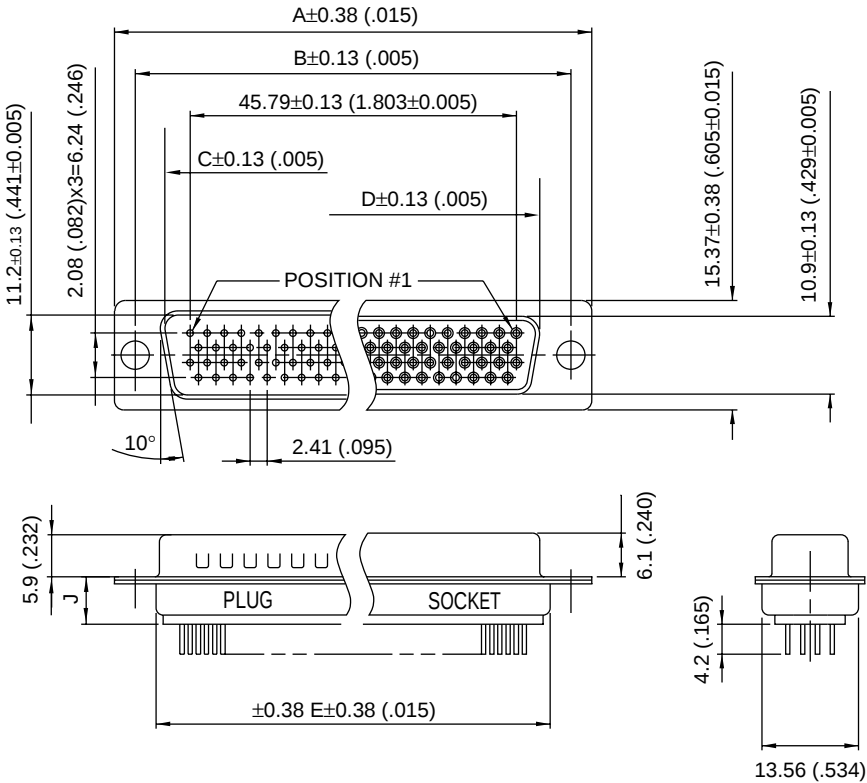
Nb OF CONTACTS	DIMENSIONS mm (inch)					
	A	B	C	D	E	F
9	30.84 (1.21)	24.99 (.98)	16.92 (.67)	16.24 (.64)	11.09 (.44)	19.28 (.76)
15	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.97)	19.39 (.76)	27.51 (1.08)
25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)	41.30 (1.63)
37	69.32 (2.73)	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

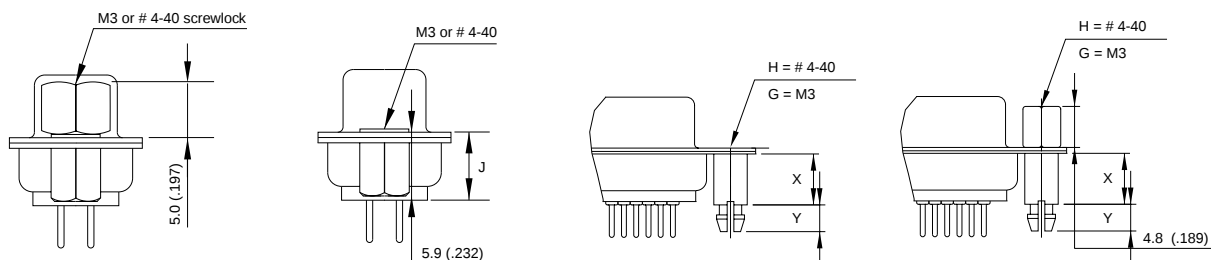


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62	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	57.71 (2.27)
78	67 (2.64)	61.11 (2.41)	52.86 (2.08)	52.34 (2.06)	55.3 (2.18)



78 CONTACTS

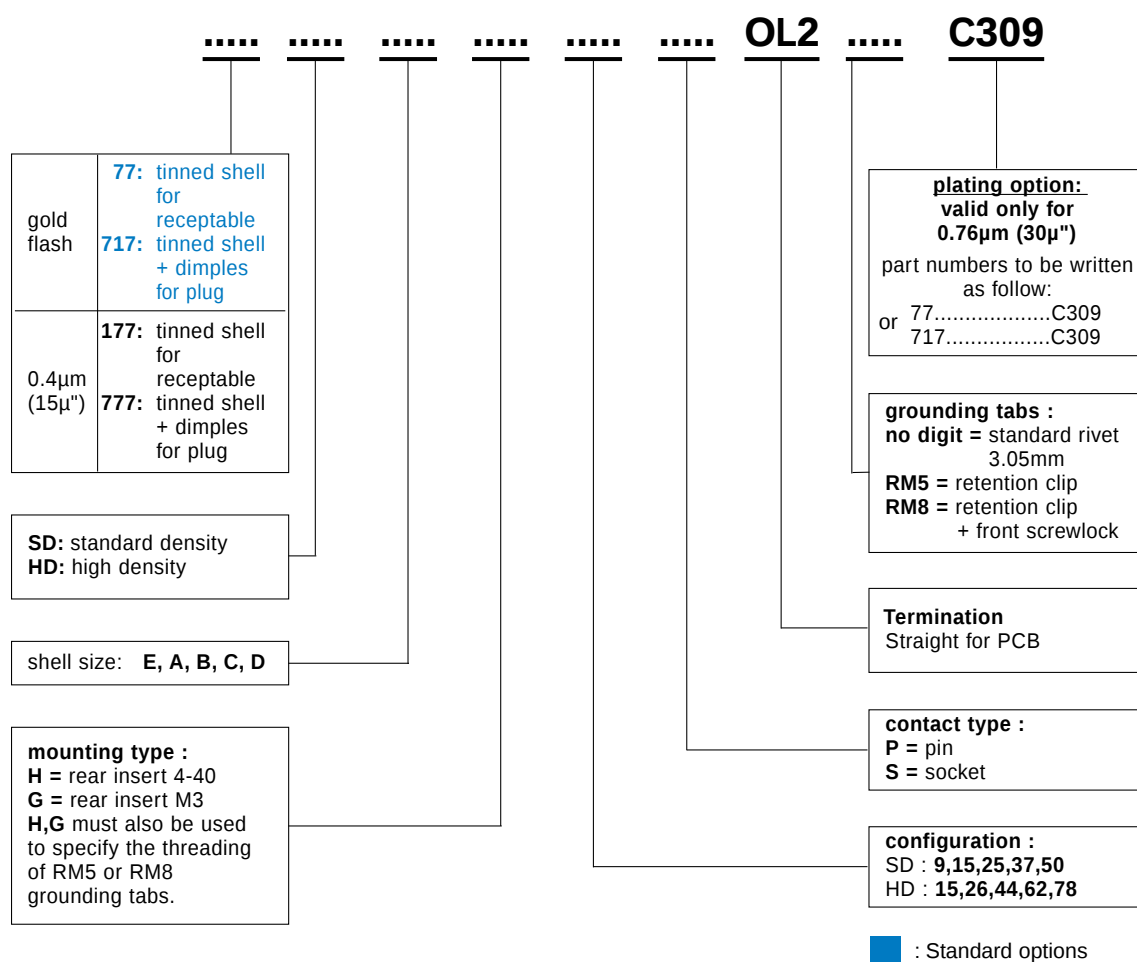
Panel mounting option



Front Female Screwlock Threaded Rear Insert RM5 Standoff Boardlock RM8 Standoff Boardlock

	RM5 RM8	RM5G RM8G
X	6.0(.236)	12.7(.500)
Y	4.2(.126)	3.2(.126)
J	6.2(.244)	11.8(.465)

How to order



For special request, please consult factory

Do not hesitate to contact us for further information



Amphenol

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