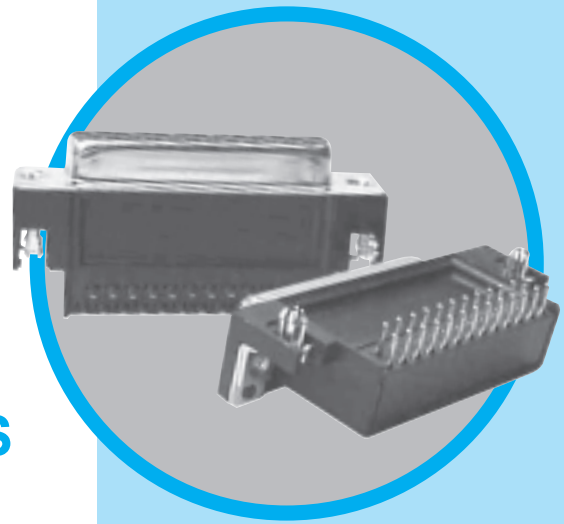


SD

D-Sub connectors - Stamped and Formed Contacts

RIGHT ANGLE BOARD MOUNT CONNECTORS FOOTPRINT 14.99 mm (.590")



CHARACTERISTICS

Specifications

- UL File: E119881
- Connectors according to MIL C24308

Materials and Platings	
Shells	Steel, 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	5A
Voltage rating	600V AC/rms 50Hz
Withstanding voltage	1000V AC/rms 50Hz for one minute
Insulation resistance	5000MΩ
Contact resistance	10mΩ max

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

Mechanical Data		
Mating and unmating force Unit: kg (lb)		
No. of Cts	Mate (max)	Unmate (min)
9 (size E)	3.05 (6.74)	0.36 (0.79)
15 (size A)	5.09 (11.24)	0.46 (1.01)
25 (size B)	8.44 (18.66)	0.81 (1.8)
37 (size C)	12.51 (27.65)	1.1 (2.47)
Standard plating thickness	• gold flash • 0.4µm (15µ") gold • 0.76 µm (30µ") gold	

DESCRIPTION

The Amphenol "SD" series features precision formed contacts and boardlocks.

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

*Economical
right angle PCB
mount connectors*

APPLICATIONS

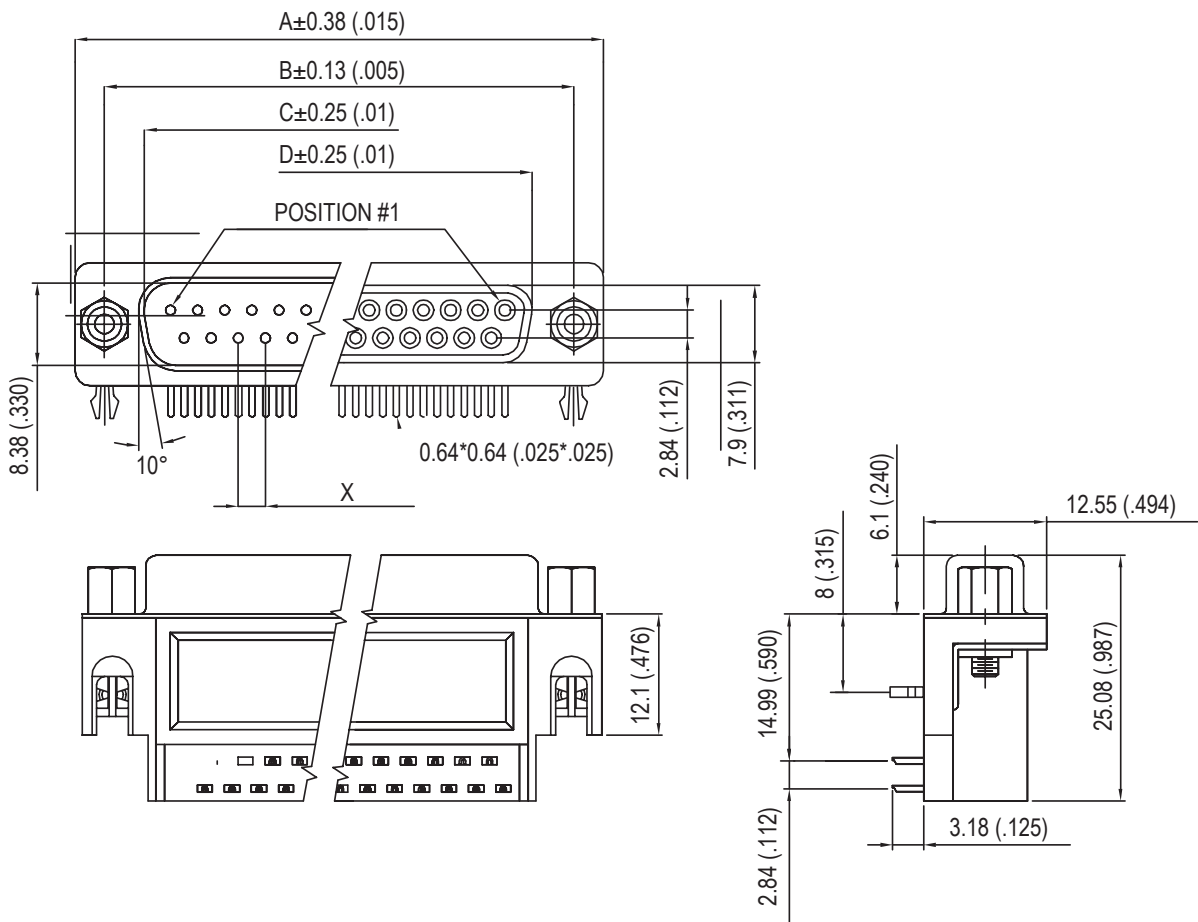
- Industrial
- Telecom
- Any industry standard
I / O connections



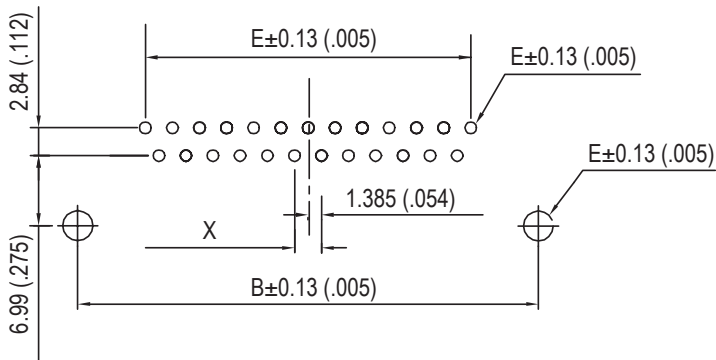
Amphenol

SD / E8

Shell Size Dimensions

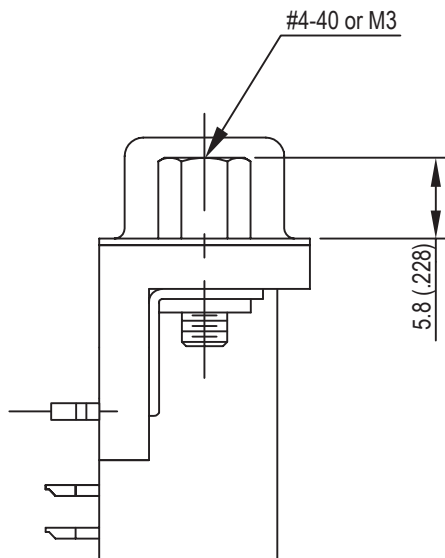


Recommended P.C.B.Layout

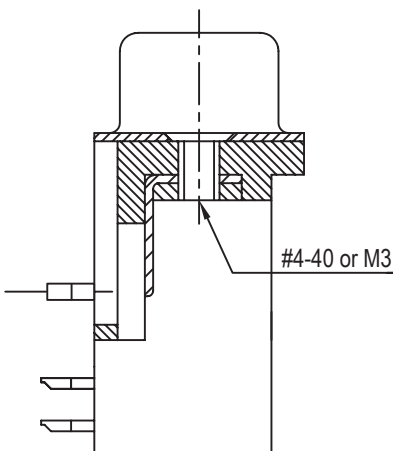


Nb OF CONTACTS	DIMENSIONS mm (inch)					
	A	B	C	D	E	X
9	30.84 (1.214)	24.99 (.984)	16.92 (.666)	16.26 (.640)	11.08 (.436)	2.74
15	39.24 (1.545)	33.32 (1.312)	25.25 (.994)	24.56 (.967)	19.39 (.763)	2.74
25	53.04 (2.088)	47.04 (1.852)	38.96 (1.534)	38.30 (1.508)	33.24 (1.309)	2.77
37	69.34 (2.730)	63.50 (2.500)	55.42 (2.182)	54.76 (2.156)	49.86 (1.963)	2.77

Panel mounting option



Front Female Screwlock
4F/3F



Threaded Rear Insert
4R/3R

How to order

RoHS Compliant

gold flash

0.4µm (15µ")

77: tinned shell for receptable

717: tinned shell + dimples for plug

177: tinned shell for receptable

777: tinned shell + dimples for plug

shell size: E, A, B, C

configuration: 09, 15, 25, 37

contact type:
P = pin
S = socket

L

...

SD

...

...

...

AB

CH

...

C309

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

mounting options:
4F = front screwlock 4-40
3F = front screwlock M3
4R = rear insert 4-40
3R = rear insert M3

PCB locking type:
grounding tabs + boardlocks

footprint: 14.99 mm (.590")

For special request, please consult factory

HOW TO ORDER

SD / E8

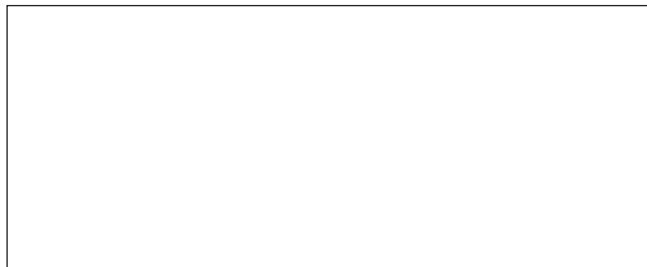
Amphenol

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Memo

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Do not hesitate to contact us for further information



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