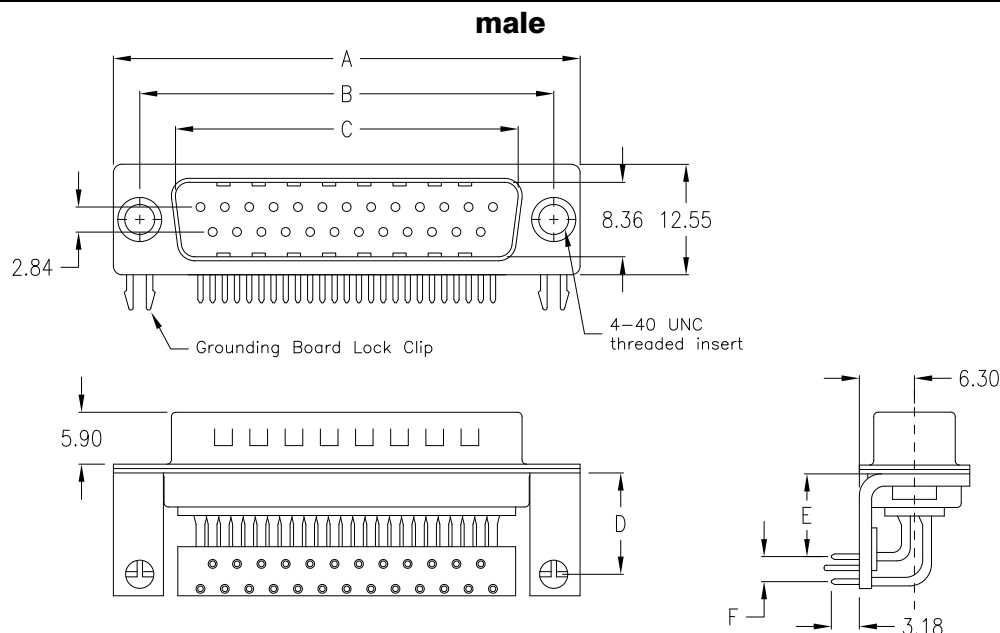


SD Series - D-Sub 90° „open body“ 6,30mm/.248” center type



Ordering Code

Special product.

Please ask for availability and minimum order quantity before you consider the article for development, design in or production purposes.

SDM - xxx - N 900 - 95/ XxXX

No. of contacts

Option

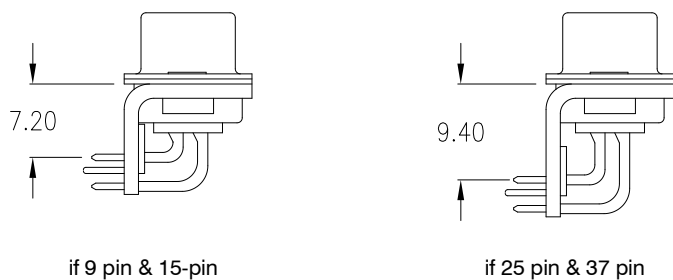
Stamped contact

Plating: -95 = tin(leadfree)/gold

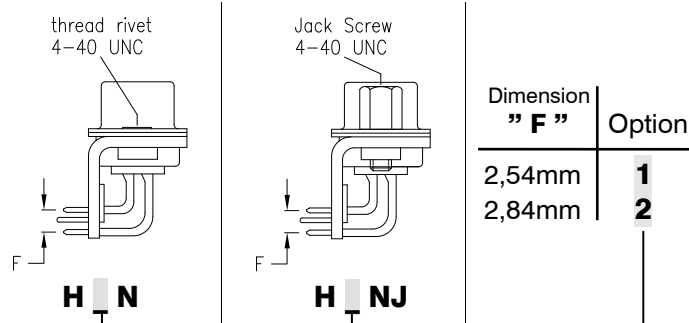
General Specification page 72

No. of contacts	Dimension				
	A	B	C	D if "F"=2,54	D if "F"=2,84
009	30.81 1.213	24.99 .984	16.92 .666	8.47 .333	8.47 .333
015	39.14 1.541	33.32 1.312	25.25 .994	8.47 .333	8.47 .333
025	53.04 2.088	47.04 1.852	38.96 1.534	10.67 .420	10.67 .420
037	69.32 2.729	63.50 2.500	55.42 2.182	10.67 .420	10.67 .420

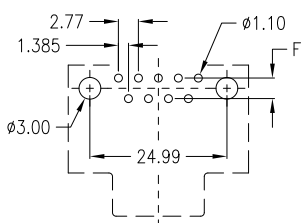
Dimension "E"



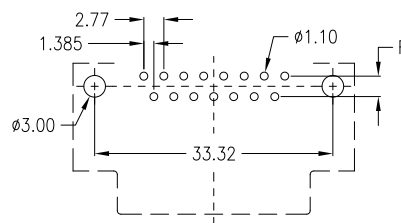
Options



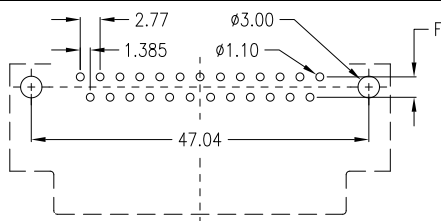
PCB Layout „male“



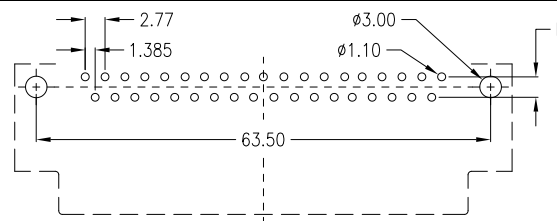
9 pin



15 pin



25 pin



37 pin

mechanical data

Mating force per contact	$\leq 3,4 \text{ N}$
Unmating force per contact	$\geq 0,2 \text{ N}$
Temperature range	-55° C to $+105^{\circ} \text{ C}$
Processing temperature wave solder (solder bath)	$+250^{\circ} \text{ C} \pm 0/-5^{\circ} \text{ C}$ for 10sec.
Processing temperature SMT and "pin in paste"	$+250^{\circ} \text{ C} \pm 0/-5^{\circ} \text{ C}$ for 10sec.
Moisture absorption from air 50% rh	0,10%
IDC Connector types accept AWG 26 or AWG 28 standard wire	

materials and plating (RoHS compliant)

Insulator for wave solder technology, standard black - PC 99 colourful insulator	thermoplastic glassfilled UL 94V - 0 Yellowish brown - Pantone # 131C 15-pos. female Burgundy - Pantone # 235C 25-pos. female Teal - Pantone # 322C 9-pos. male Blue - Pantone # 661C HD 15-pos.
female	
Insulator for SMT and "Pin-In-Paste"	Nylon UL 94V-0
Shell	Steel, Ni plated
Bracket	Brass, tin plated
Male contact - plating	Copper Alloy (Standard; others on request) -95 = solder side Sn; contact side Au over Ni -55 = solder and contact side Au over Ni
Female contact - plating	Copper Alloy (Standard; others on request) -95 = solder side Sn; contact side Au over Ni -55 = solder and contact side Au over Ni -NN = Ni
D-Sub Accessories (page 70) plating	

electrical data

max. Current rating	5 A/25°C 3 A/70°C (High Density types 3A / IDC types 1A)
Operating voltage	250 V
Test voltage between contacts	1000 V / 50/60 Hz / 1 Minute
Test voltage between shell and contacts	1000 V / 50/60 Hz / 1 Minute
Resistance between mated contacts	$< 30 \text{ m } \Omega$
Insulation resistance	$\geq 1000 \text{ M } \Omega$ at 500V DC
Dielectric strength	1000 V AC min. for 1 Minute
Volume resistivity	$10^{16} \text{ } \Omega \text{ cm}$ (ASTM-D 257)

available performance classes

E-tec D-Sub connectors comply with Performance Class 3 (min. 50 contact cycles).

Please contact E-tec first for availability of Performance Class 2 (min. 200 contact cycles) and 1 (min. 500 contact cycles)

D-Sub with Filter (ferrite)

Frequency range	10	-	300 MHz
Impedance	5 MHz	-	15 Ω
	25 MHz	-	30 Ω
	100 MHz	-	50 Ω
	300 MHz	-	75 Ω

