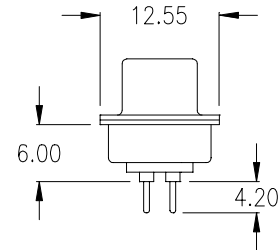
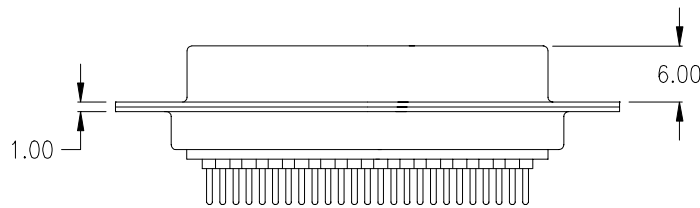
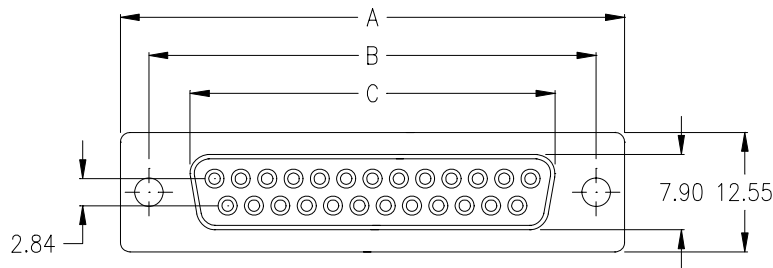


female



Ordering Code

SDF - xxx - S111 - 95 / XXX

No. of contacts

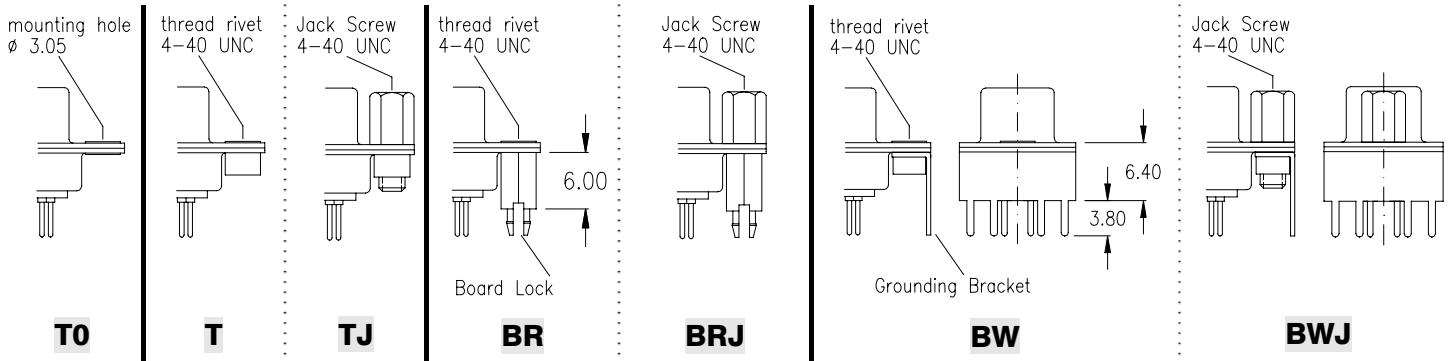
Option

Plating: -95 = tin(leadfree)/gold

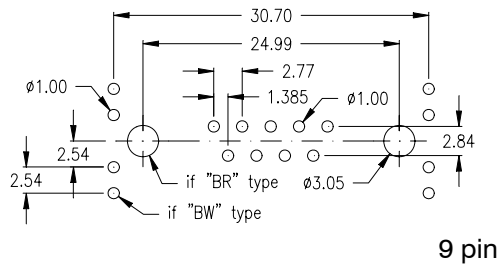
General Specification page 72

No. of contacts	Dimension		
	A	B	C
<b>009</b>	30.81 1.213	24.99 .984	16.33 .643
<b>015</b>	39.14 1.541	33.32 1.312	24.66 .971
<b>025</b>	53.04 2.088	47.04 1.852	38.38 1.511
<b>037</b>	69.32 2.729	63.50 2.500	54.84 2.159

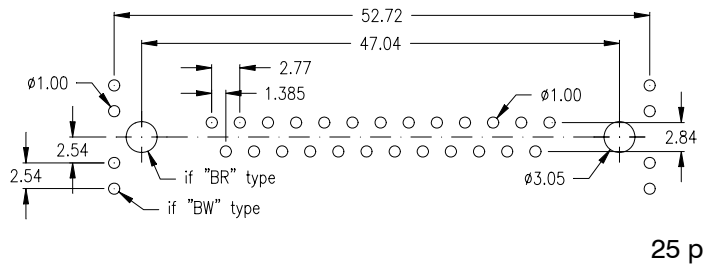
Options



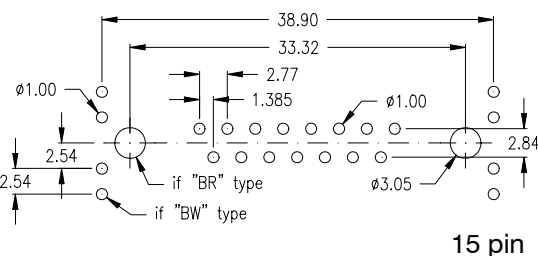
PCB Layout „female“



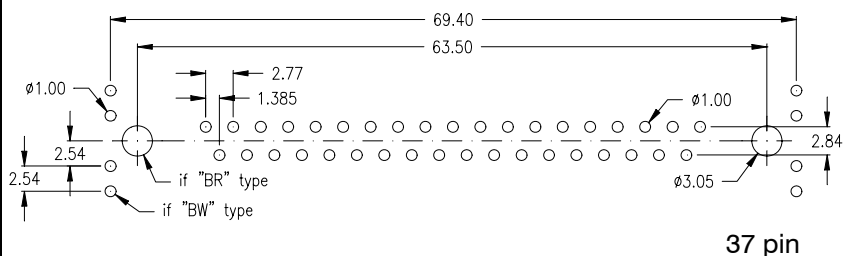
9 pin



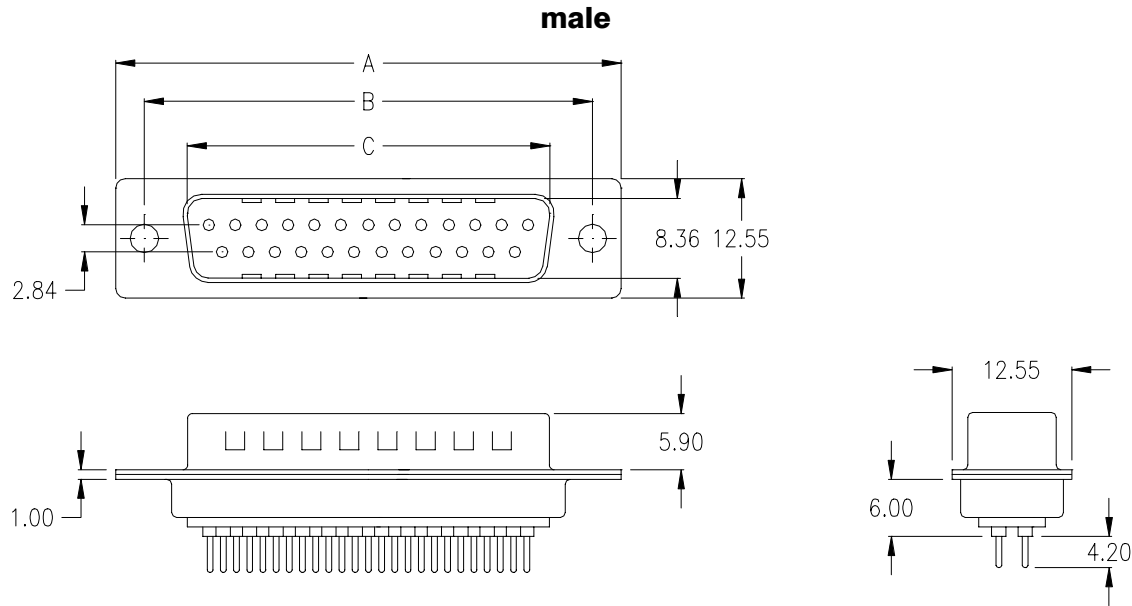
25 pin



15 pin



37 pin



**Ordering Code**

**SDM - xxx - S111 - 95 / XXX**

No. of contacts

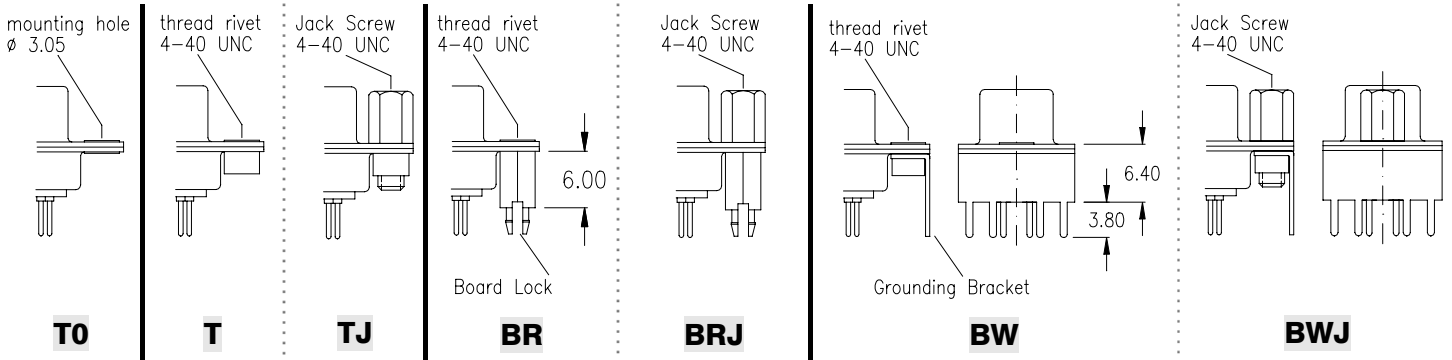
Option

Plating: **-95** = tin(leadfree)/gold

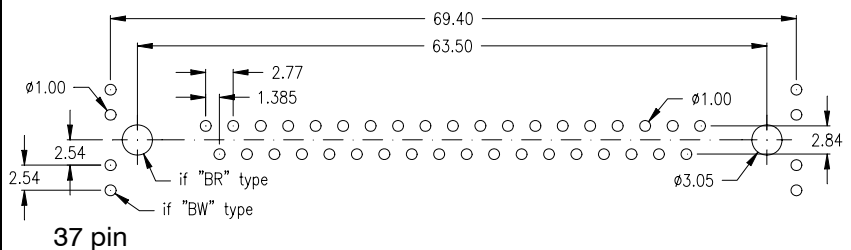
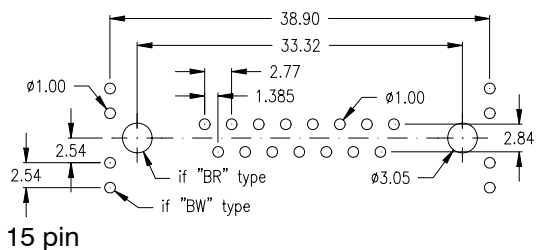
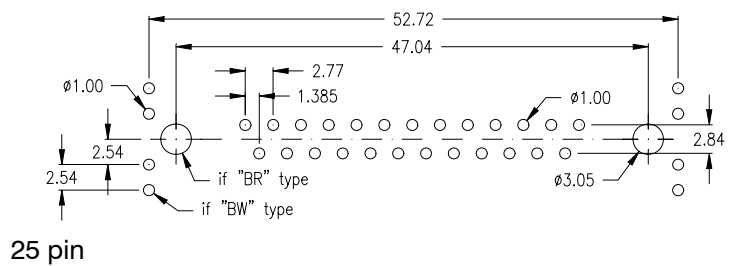
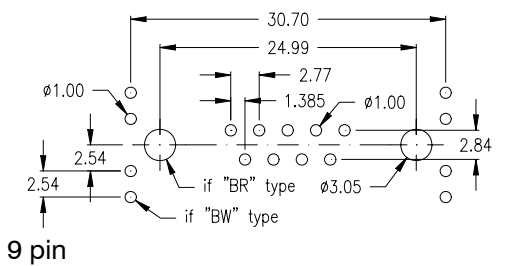
General Specification page 72

No. of contacts	Dimension		
	A	B	C
<b>009</b>	30.81	24.99	16.92
	1.213	.984	.666
<b>015</b>	39.14	33.32	25.25
	1.541	1.312	.994
<b>025</b>	53.04	47.04	38.96
	2.088	1.852	1.534
<b>037</b>	69.32	63.50	55.42
	2.729	2.500	2.182

**Options**



**PCB Layout „male“**





## mechanical data

Mating force per contact	≤ 3,4 N
Unmating force per contact	≥ 0,2 N
Temperature range	-55° C to +105° C
Processing temperature wave solder (solder bath)	+250°C +0/-5°C for 10sec.
Processing temperature SMT and "pin in paste"	+250°C +0/-5°C for 20~40sec.
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) <b>-95</b> = solder side Sn; contact side Au over Ni <b>-55</b> = solder and contact side Au over Ni
Female contact - plating	Copper Alloy (Standard; others on request) <b>-95</b> = solder side Sn; contact side Au over Ni <b>-55</b> = solder and contact side Au over Ni
D-Sub Accessories (page 70) plating	<b>-NN</b> = Ni

## 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 m Ω
Insulation resistance	≥ 1000 M Ω at 500V DC
Dielectric strength	1000 V AC min. for 1 Minute
Volume resistivity	10 <sup>16</sup> Ω 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

