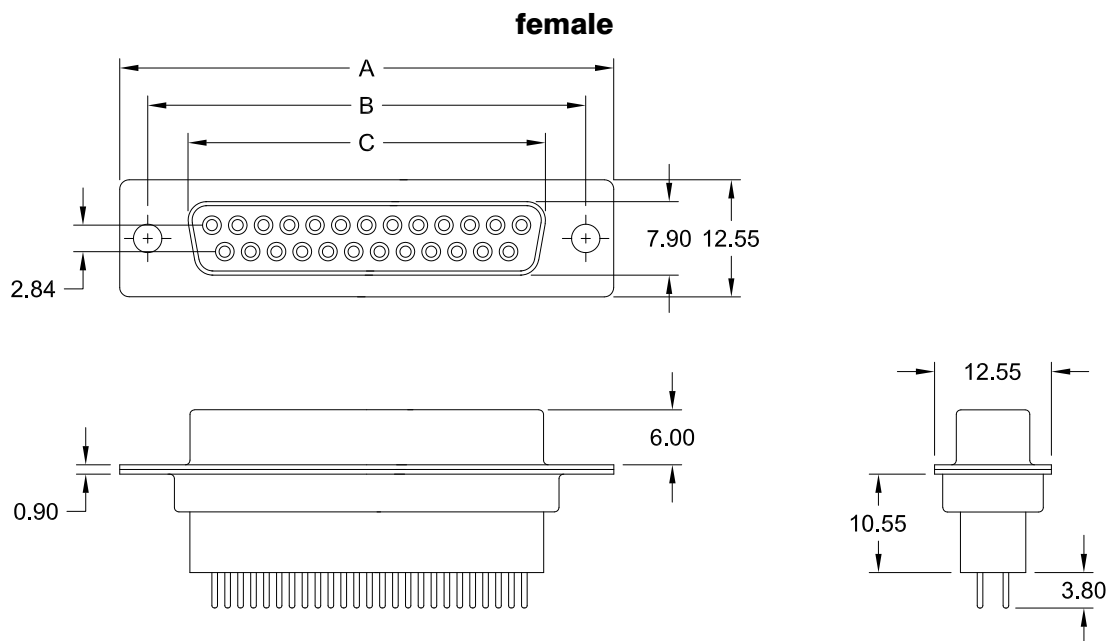




Ordering Code

SDF - xxx - B111 - 95 / XXX

No. of contacts

Option

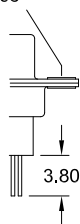
Plating: -95 = tin(leadfree)/gold

General Specification page 72

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

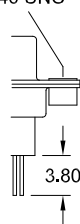
Options

mounting hole
Ø 3.05



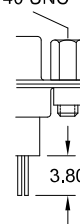
T0

thread rivet
4-40 UNC



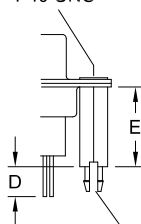
T

Jack Screw
4-40 UNC



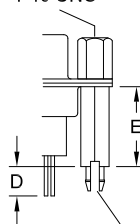
TJ

inside thread
4-40 UNC



BR

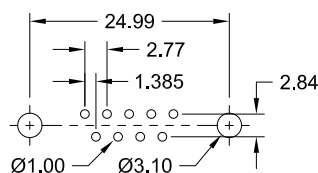
Jack Screw
4-40 UNC



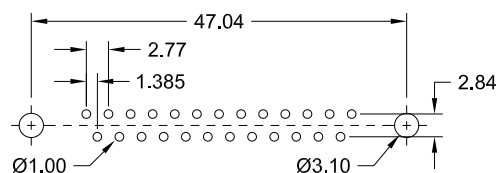
BRJ

D ±0.20	E	Option
3,20	12,70	1
3,50	11,00	2
3,20	14,50	4
4,20	13,50	5

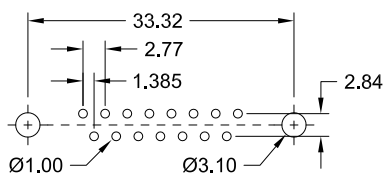
PCB Layout „female“



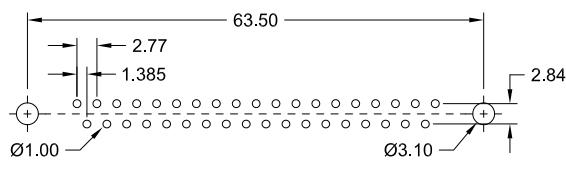
9 pin



25 pin



15 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

