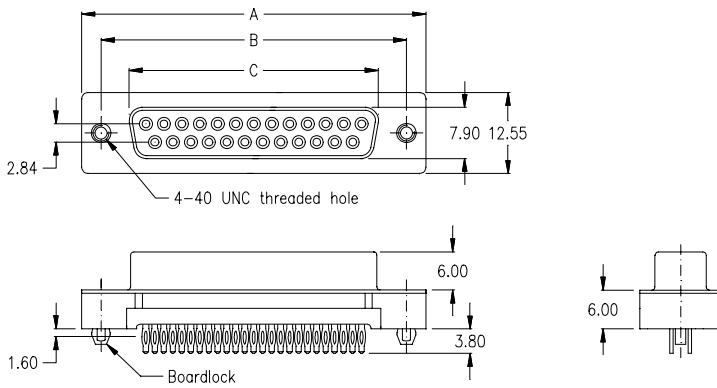


SD Series - D-Sub  
P150 "press fit" type



female



No. of contacts	Dimension			
	A	B	C	E
009	30.81	24.99	16.33	7.20
	1.213	.984	.643	.283
015	39.14	33.32	24.66	7.20
	1.541	1.312	.971	.283
025	53.04	47.04	38.38	9.40
	2.088	1.852	1.511	.370
037	69.32	63.50	54.84	9.40
	2.729	2.500	2.159	.370

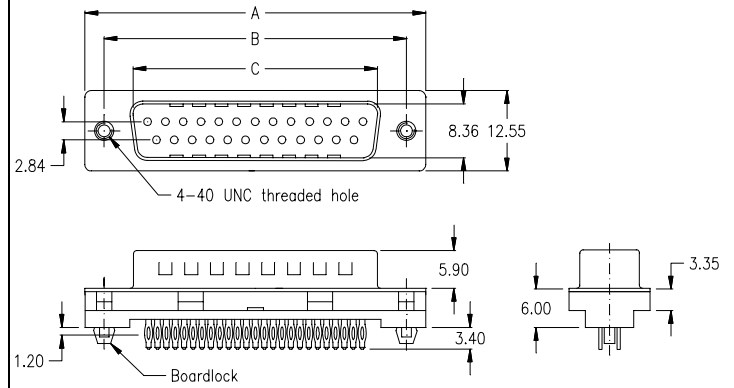
Ordering Code

**SDF - xxx - P 150 - 95 / P**

No. of contacts

if with Jack Screw assemble to the connector: **PJ**

male



No. of contacts	Dimension			
	A	B	C	E
009	30.81	24.99	16.92	7.20
	1.213	.984	.666	.283
015	39.14	33.32	25.25	7.20
	1.541	1.312	.994	.283
025	53.04	47.04	38.96	9.40
	2.088	1.852	1.534	.370
037	69.32	63.50	55.42	9.40
	2.729	2.500	2.182	.370

Ordering Code

**SDM - xxx - P 150 - 95 / P**

No. of contacts

if with Jack Screw assemble to the connector: **PJ**

(for Jack Screw dimension etc. pls. see page 70)

PCB - Hole Specification

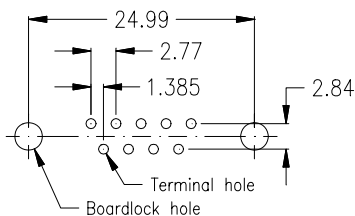
recommended PCB thickness: 1.60mm

terminal hole		boardlock hole	
drilled hole	1.10mm ± 0.02	drilled hole	3.20mm ± 0.02
finished hole	1.00mm ± 0.05	finished hole	3.10mm ± 0.05
Cu	min. 25 μm	Cu	min. 25 μm
Sn	5 - 15 μm	Sn	5 - 15 μm

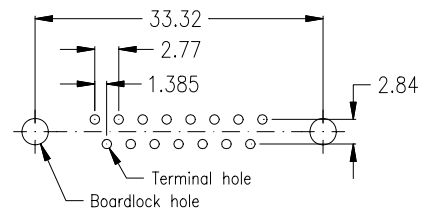
General Specification

Current rating	5 A
Contact resistance	30mΩ max.
Insulator resistance	1.000MΩ min. at 500V DC
Withstanding voltage	1.000V AC (rms) for 1 Minute
Contact material	PhBz (RoHS compliant)
Contact plating	tin (leadfree) / gold
Insulator	Nylon 46 (RoHS compliant)
Operating temperature	-55° C to +125° C

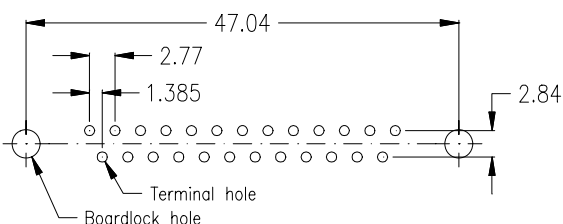
PCB Layout



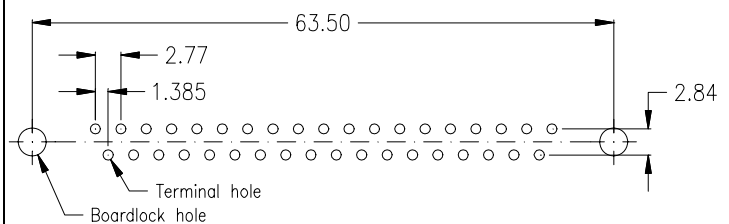
9 pin



15 pin



25 pin



37 pin



## 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

