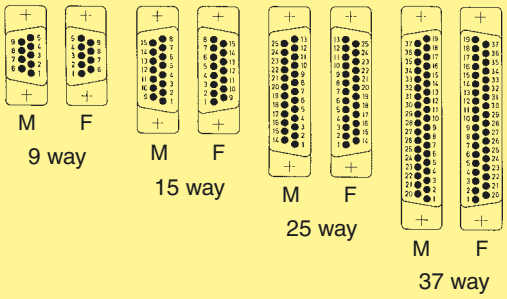
Number of contacts	9, 15, 25, 37 UL recognized
Working current	7.5 A max.
Test voltage $U_{r.m.s.}$	1 kV
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 1000 MΩ
Temperature range	-55 °C … + 125 °C
Heat deflection temperature limit according to DIN 53 461	+ 255 °C
Terminations	a) Solder buckets max. 0.8 mm² b) Solder pins Ø 0.6 mm for P.C.B. holes Ø 0.8/1 mm c) Solder pins, angled 90° Ø 0.6 mm for P.C.B. holes Ø 0.8/1 mm
Materials	
Insulation	PCT, glass-fibre filled, flame retardant acc. to UL 94-V0 Colour: natural
Contacts	Copper alloy Male and female contacts are turned
Contact surface	
Contact zone	Selectively plated according to performance level
Performance level	Performance level 2, as per CECC 75 301-802, 250 mating cycles, 4 days 4 mixed gas test – IEC 60 512
Metal shell	Steel

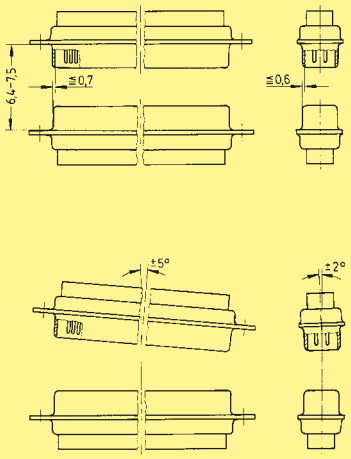
Contact arrangement

View from termination side



M = Male connector
F = Female connector

Mating conditions as per CECC 75 301



Attenuation characteristics for standard capacitance values

Min. insertion loss

Capacitance [pF][1)] / Frequency [MHz]	Attenuation (in dB) vs. frequency [MHz]						
	1	5	10	50	100	500	1000
47						30	35
470			1	11	16	35	32
1000		1	3	12	24	38	30
3900	1	6	11	25	35	38	32

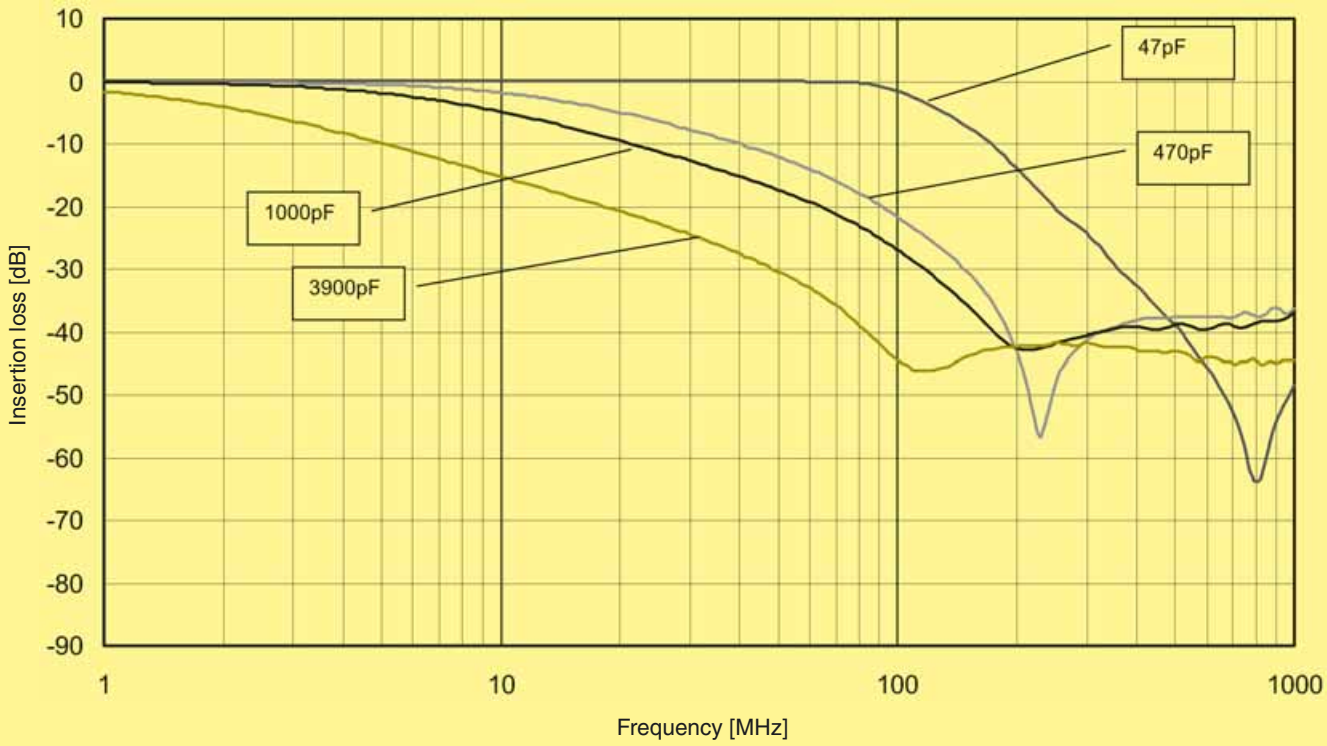
[1)] Capacitance tolerance = ± 20 % (For other capacitor values see pages 05.30 ff).

Measured in 50 Ω system according to MIL-STD-220, no load.

Working voltage: 100 V max for standard capacitance values – higher working voltages are available as specific.

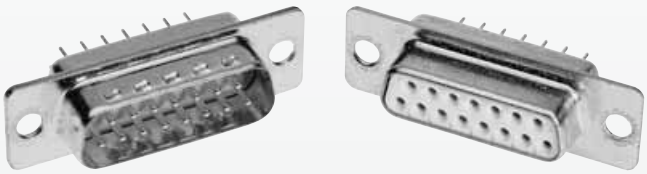
Dielectric withstanding voltage: 250 V DC max. – higher dielectric withstanding voltages are available as specific (see page 05.30)

Typical insertion loss for different filters (measured)



Number of contacts

9–37

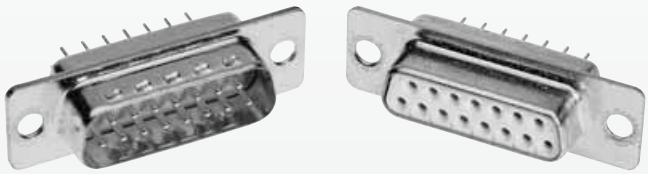


Turned solder pins, straight, through hole

Identification	No. of contacts	Part No.	
		male connectors	female connectors
Connectors with **47 pF** C filter	9	09 64 122 7210	09 64 112 7210
	15	09 64 222 7210	09 64 212 7210
	25	09 64 322 7210	09 64 312 7210
	37	09 64 422 7210	09 64 412 7210
Connectors with **470 pF** C filter	9	09 64 122 7220	09 64 112 7220
	15	09 64 222 7220	09 64 212 7220
	25	09 64 322 7220	09 64 312 7220
	37	09 64 422 7220	09 64 412 7220
Connectors with **1000 pF** C filter	9	09 64 122 7230	09 64 112 7230
	15	09 64 222 7230	09 64 212 7230
	25	09 64 322 7230	09 64 312 7230
	37	09 64 422 7230	09 64 412 7230
Connectors with **3900 pF** C filter	9	09 64 122 7240	09 64 112 7240
	15	09 64 222 7240	09 64 212 7240
	25	09 64 322 7240	09 64 312 7240
	37	09 64 422 7240	09 64 412 7240

Number of contacts

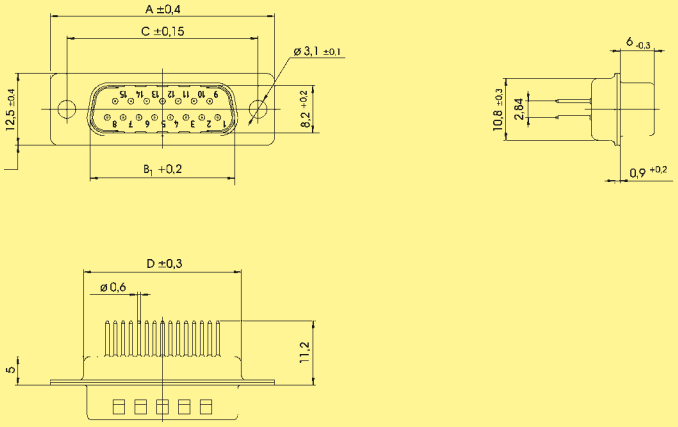
9–37



Turned solder pins, straight, through hole

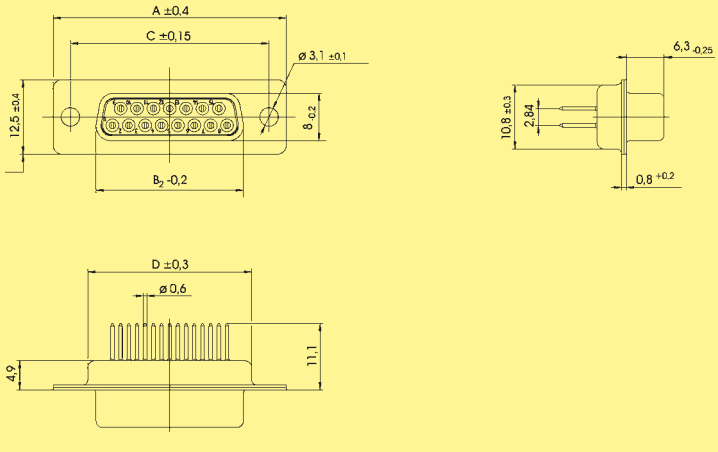
Identification	Drawing	Dimensions in mm

Male connector



No. of contacts	A	B_1	B_2	C	D	E	F	G
9	30.8	16.9	16.4	25.00	19.3	1.37	2.74	12.50
15	39.1	25.2	24.7	33.30	27.5	1.37	2.74	16.65
25	53.0	38.9	38.5	47.04	41.3	1.40	2.77	23.52
37	69.3	55.3	54.9	63.50	57.7	1.40	2.77	31.75

Female connector



Board drillings