

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 $\leq 10 \text{ m}\Omega$
Insulation resistance $\geq 1000 \text{ M}\Omega$

Temperature range $-55 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
Heat deflection temperature limit according to DIN 53 461 $+255 \text{ }^\circ\text{C}$

Terminations
a) Solder buckets max. 0.8 mm^2
b) Solder pins $\varnothing 0.6 \text{ mm}$ for P.C.B. holes $\varnothing 0.8/1 \text{ mm}$
c) Solder pins, angled 90° $\varnothing 0.6 \text{ mm}$ for P.C.B. holes $\varnothing 0.8/1 \text{ mm}$

Materials
Insulation PCT, glass-fibre filled, flame retardant acc. to UL 94-V0
Colour: natural

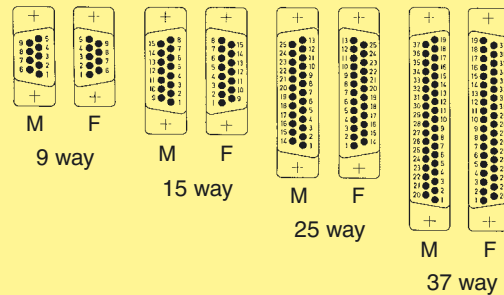
Contacts Copper alloy
Male and female contacts are turned

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

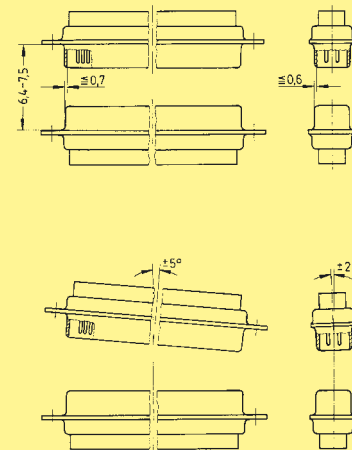
Metal shell Steel

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

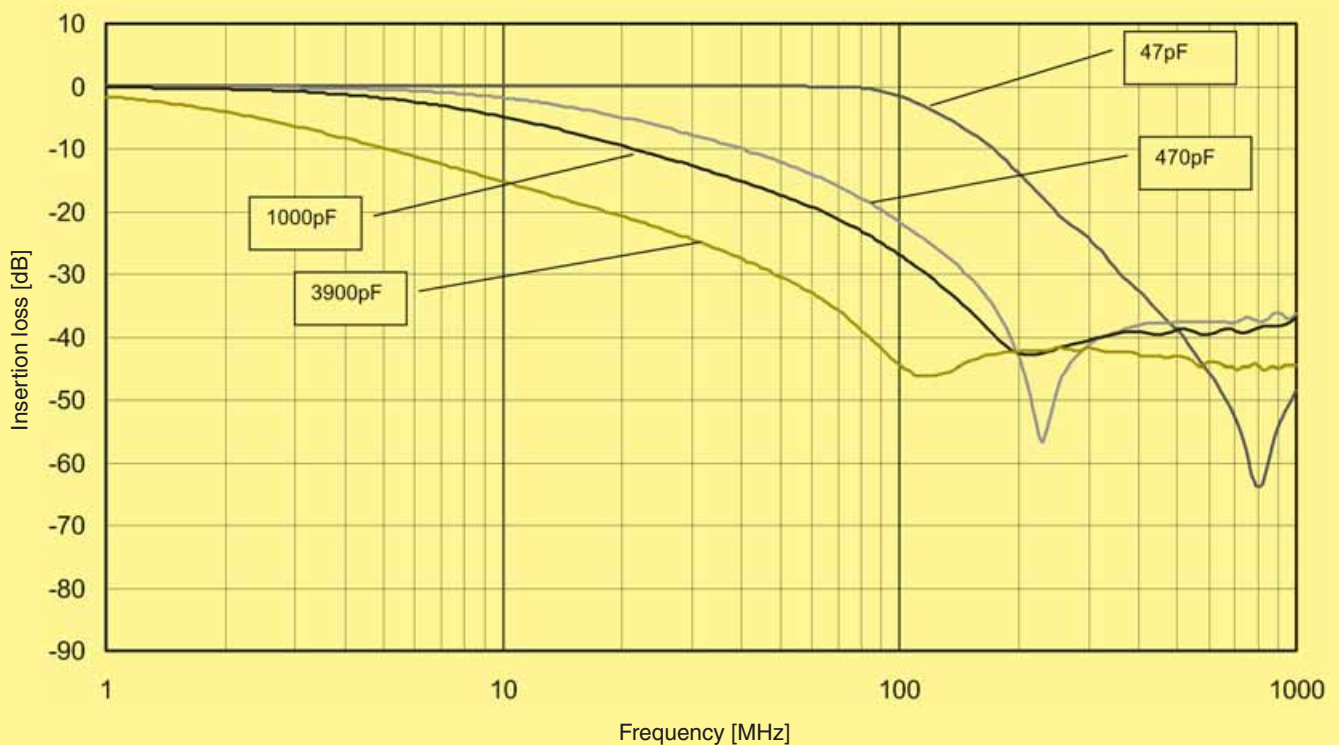
¹⁾ Capacitance tolerance = ± 20 % (For other capacitor values see pages 05.30 ff).

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.

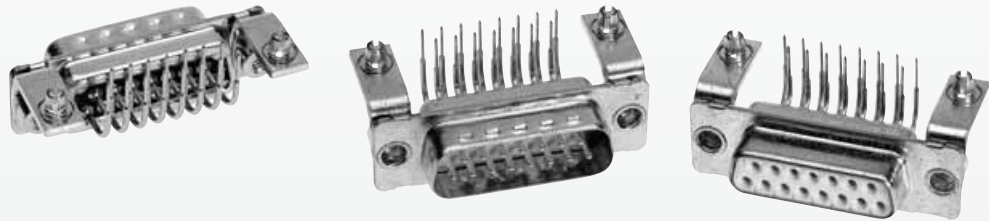
Dielectric withstanding voltage: 250 V DC max. – higher dielectric withstanding voltages are available as specific (see page 05.30)

Typical insertion loss for different filters (measured)



Number of contacts

9-37



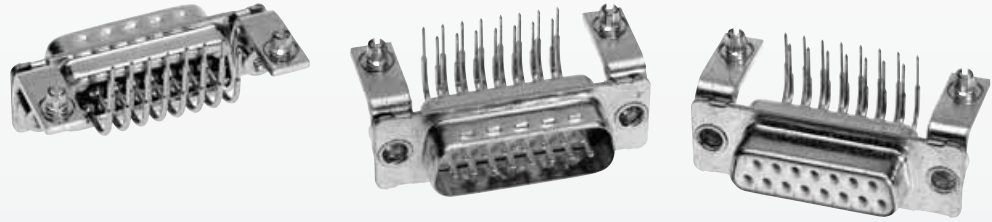
Turned solder pins, right angled, bracket, board lock and clinch nut

Identification	No. of contacts	Part No.	
		male connectors	female connectors
Connectors with 47 pF C filter	9	09 64 124 721 .	09 64 114 721 .
	15	09 64 224 721 .	09 64 214 721 .
	25	09 64 324 721 .	09 64 314 721 .
	37	09 64 424 721 .	09 64 414 721 .
Connectors with 470 pF C filter	9	09 64 124 722 .	09 64 114 722 .
	15	09 64 224 722 .	09 64 214 722 .
	25	09 64 324 722 .	09 64 314 722 .
	37	09 64 424 722 .	09 64 414 722 .
Connectors with 1000 pF C filter	9	09 64 124 723 .	09 64 114 723 .
	15	09 64 224 723 .	09 64 214 723 .
	25	09 64 324 723 .	09 64 314 723 .
	37	09 64 424 723 .	09 64 414 723 .
Connectors with 3900 pF C filter	9	09 64 124 724 .	09 64 114 724 .
	15	09 64 224 724 .	09 64 214 724 .
	25	09 64 324 724 .	09 64 314 724 .
	37	09 64 424 724 .	09 64 414 724 .
Please insert digit for flange thread	4-40 UNC ▶	2	
	M3 ▶	3	

D-Sub - F

Number of contacts

9-37



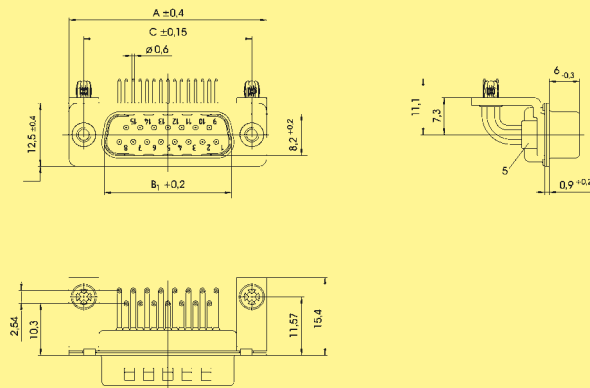
Turned solder pins, right angled, bracket, board lock and clinch nut

Identification

Drawing

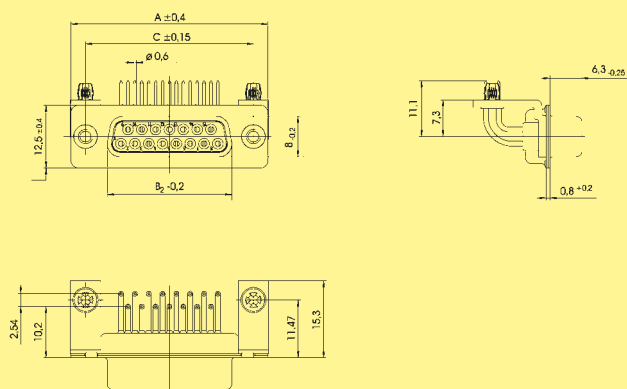
Dimensions in mm

Male connector



No. of contacts	A	B ₁	B ₂	C	E	F
9	30.8	16.9	16.4	25.00	1.37	2.74
15	39.1	25.2	24.7	33.30	1.37	2.74
25	53.0	38.9	38.5	47.04	1.40	2.77
37	69.3	55.3	54.9	63.50	1.40	2.77

Female connector



Board drillings

