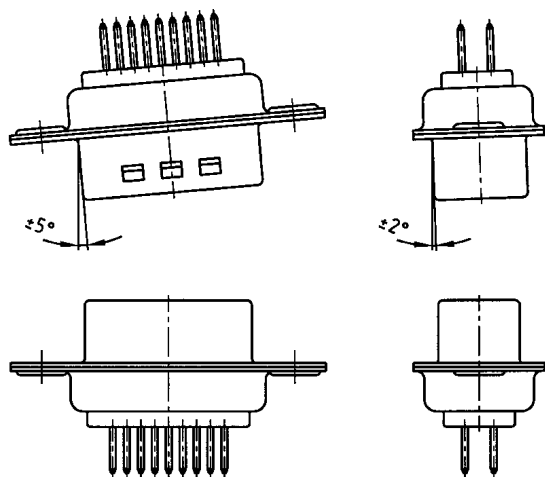
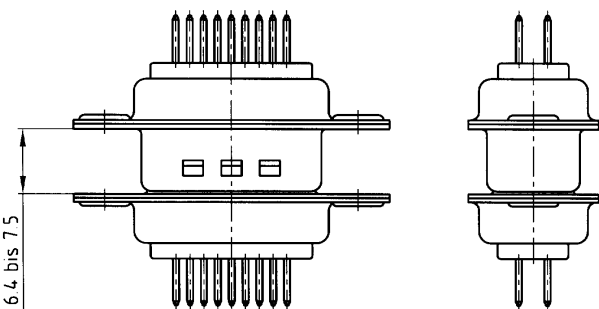


MATING CONDITIONS

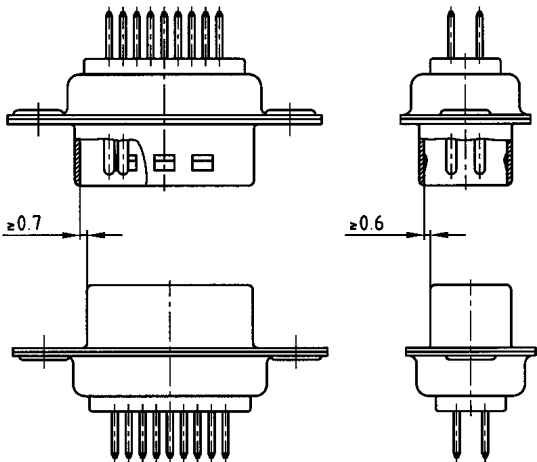
Float mount tolerance guide



Rigid mount vertical to tolerance guide



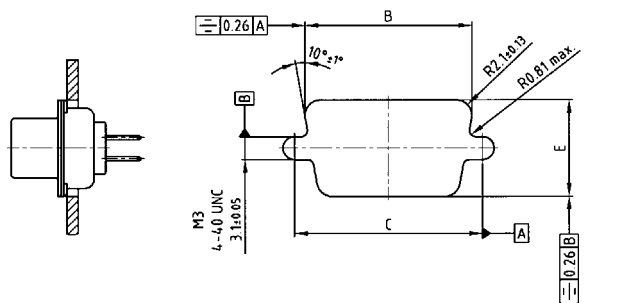
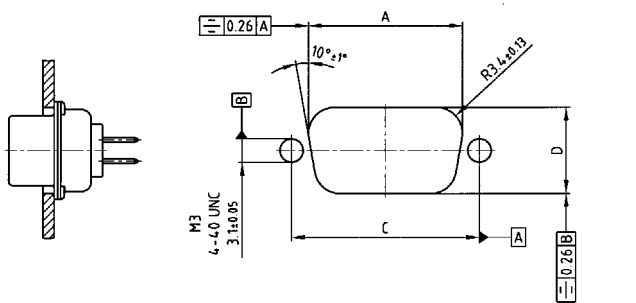
Rigid mount tolerance guide



PANEL CUT-OUT

Rear panel mounting

Front panel mounting



Shell size		A ± 0,13	B ± 0,13	C ± 0,13	D ± 0,13	E ± 0,13
9	15	20.50	22.20	25.00	11.40	13.00
15	26	28.80	30.50	33.30	11.40	13.00
25	44	42.50	44.30	47.04	11.40	13.00
37	62	59.10	60.70	63.50	11.40	13.00
50	78	56.30	61.10	61.10	11.40	15.80

TECHNICAL DATA

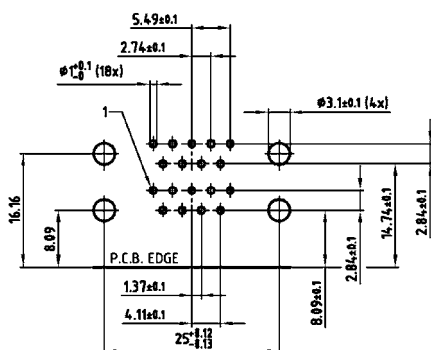
Materials	D-Subminiature, Standard 9, 15, 25, 37 and 50 position	D-Subminiature, High Density 15, 26, 44, 62 and 78 position
Insulator	Polyester GF UL94 V-0	
Contacts	CU alloy	
Contact plating	Gold plated over nickel	
Shell	Steel tin plated / brass tin plated / stainless steel	
Mechanical and electrical characteristics		
Test voltage U eff / NN	1000 V	
Working voltage	125 V ≈ Depending on isolation coordination (refer to DIN VDE 0110 / IEC 664-1)	60 V ≈
Current rating	7,5 A (UL) / 5 A (CSA,VDE)	3 A (UL,VDE) / 2,5 A (CSA)
Contact resistance	Max. 10 mΩ prior to stressing, Δ R max. 10 mΩ after stressing per DIN 41652, Part 2	
Insulation resistance	≥5 GΩ	
Clearance and creepage distance	Contact – contact ≥ .004"/1.0 mm Contact – earth ≥ .047"/1.2 mm	≥ .024"/0,6 mm
Operating temperature	- 55 °C to + 125 °C	
Mating and unmating forces	9 pos. ≤ 30 N 15 pos. ≤ 50 N 25 pos. ≤ 83 N 37 pos. ≤ 123 N 50 pos. ≤ 167 N	15 pos. ≤ 50 N 26 pos. ≤ 84 N 44 pos. ≤ 120 N 62 pos. ≤ 70 N 78 pos. ≤ 200 N
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles	

Technical alterations are subject to change without notice.

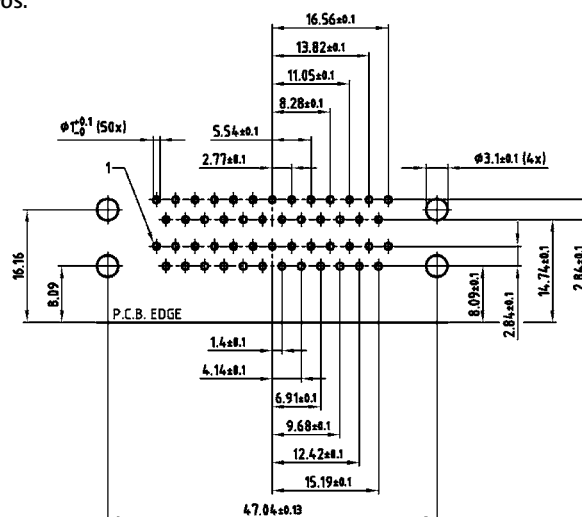
PCB LAYOUT, D-SUB STANDARD

Dual port style – Plug connector bottom

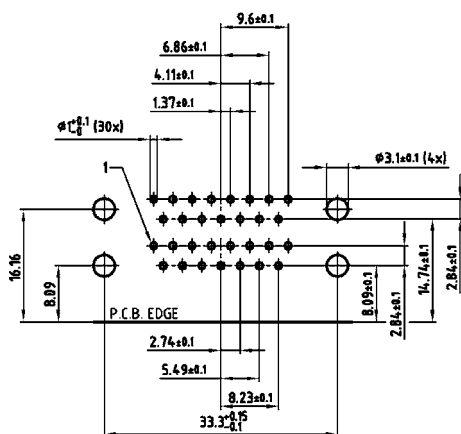
2x9 POS.



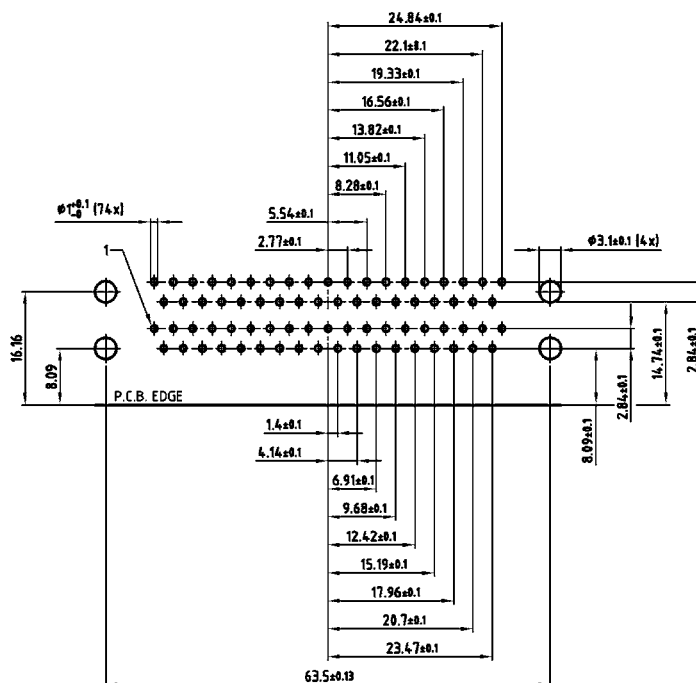
2x25 POS.



2x15 POS.



2x37 POS.



PCB layout Kat1iU5A (View: component side)

PCB layout Kat1iU6A (View: component side)