

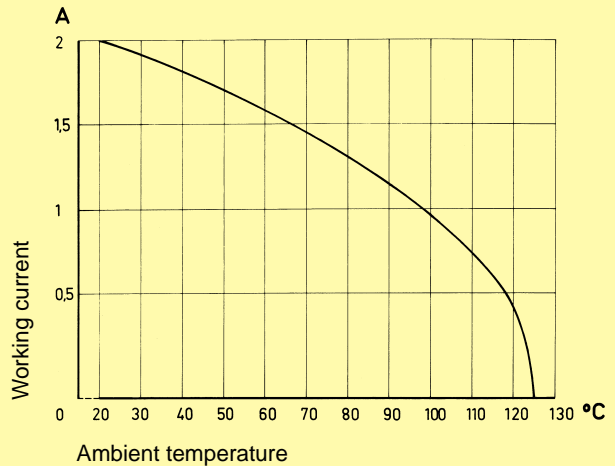
Number of contacts	32, 48, 64, 96
Contact spacing (mm)	2.54
Working current see current carrying capacity chart	2 A max.
Clearance	≥ 1.2 mm
Creepage	≥ 1.2 mm
Working voltage The working voltage also depends on the clearance and creepage dimensions of the pcb itself and the associated wiring	according to the safety regulations of the equipment Explanations see chapter 00
Test voltage $U_{r.m.s.}$	1 kV
Contact resistance	≤ 15 mΩ
Insulation resistance	≥ 10 <sup>12</sup> Ω
Temperature range during reflow soldering	- 65 °C ... + 125 °C max. + 240 °C for 15 s
Electrical termination	
Male connector	Solder pins for pcb connection Ø 1.0 ± 0.1 mm according to IEC 60 326-3
Female connector	Solder pins for pcb connection Ø 1.0 ± 0.1 mm according to IEC 60 326-3
Insertion and withdrawal force	32 way ≤ 30 N 48 way ≤ 45 N 64 way ≤ 60 N 96 way ≤ 90 N
Materials	
Mouldings	Poly cyclohexylene terephthalate (PCT), UL 94-V0
Contacts	Copper alloy
Contact surface	Contact zone: selectively plated according to performance level <sup>1)</sup> Termination zone: tinned

<sup>1)</sup> Explanation performance levels see chapter 00

Current carrying capacity chart

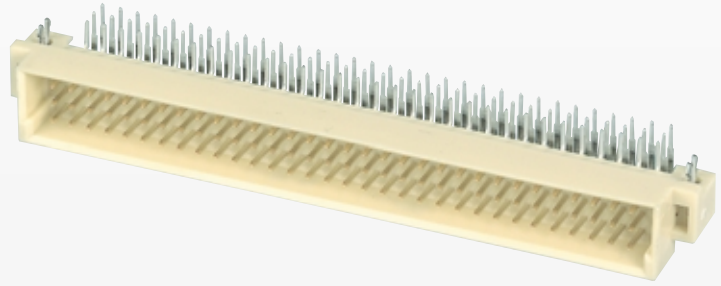
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512



Number of contacts

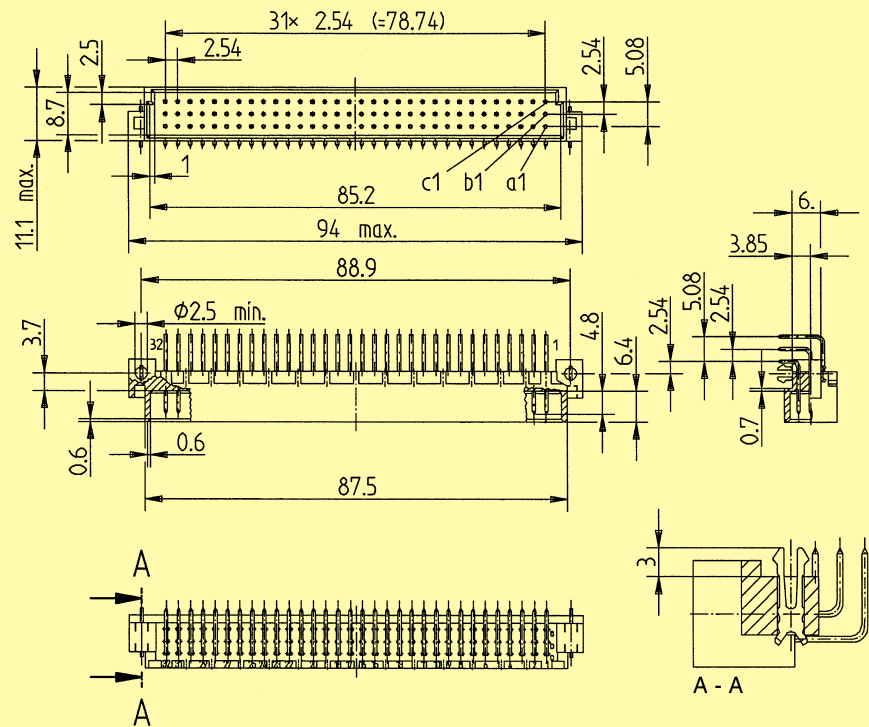
# 96, 64



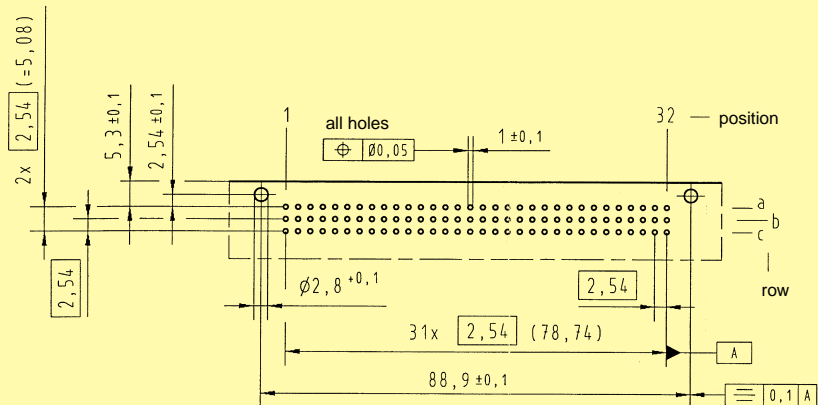
Male connectors, angled

Identification	Number of contacts	Contact arrangement	Part No.	Performance levels according to DIN 41 612. Explanation chapter 00 2	1
Male connector with retention clip	96			09 03 396 6919	09 03 396 2919
	64			09 03 364 6919	09 03 364 2919

Dimensions



Board drillings



Dimensions in mm

SMC