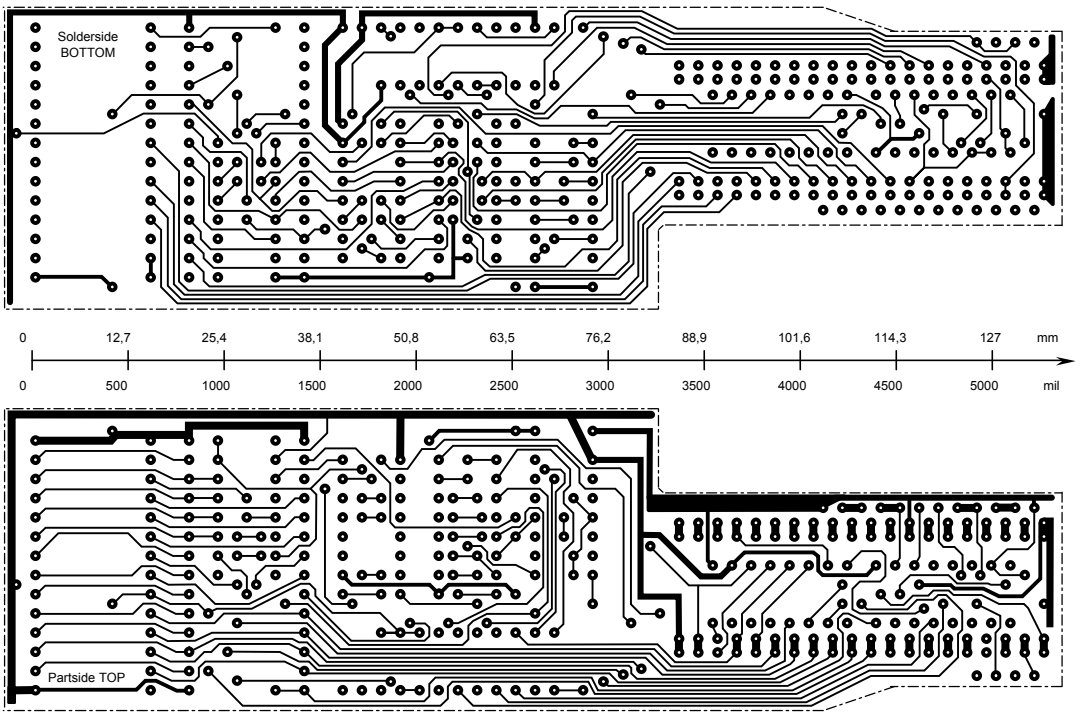
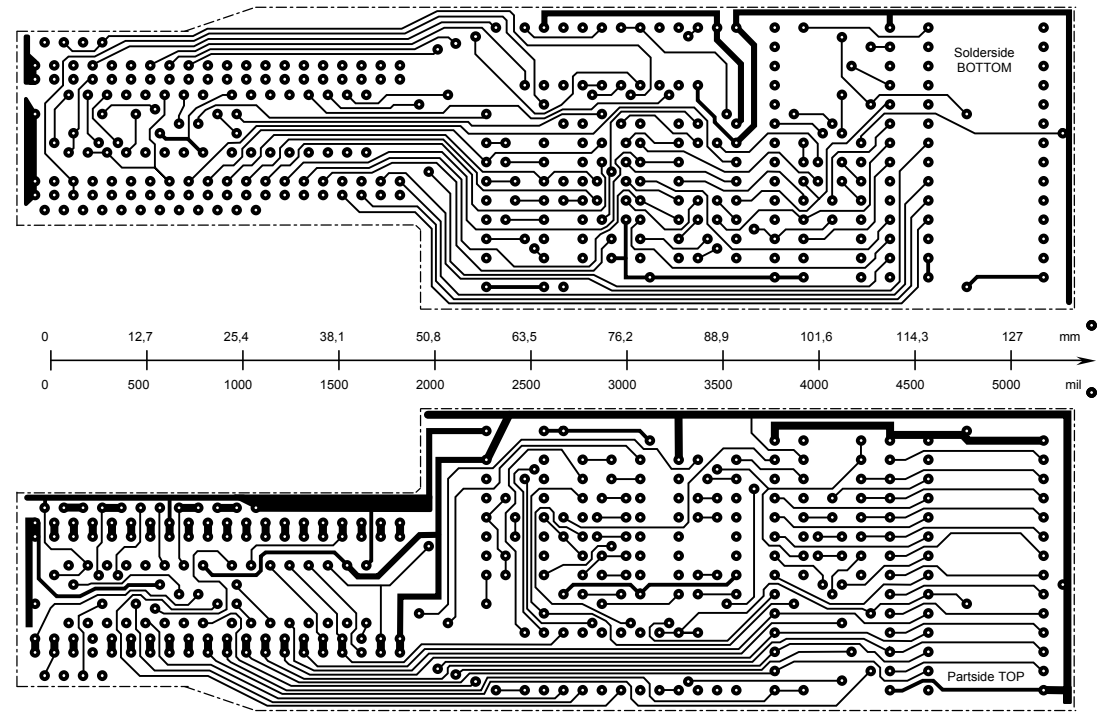
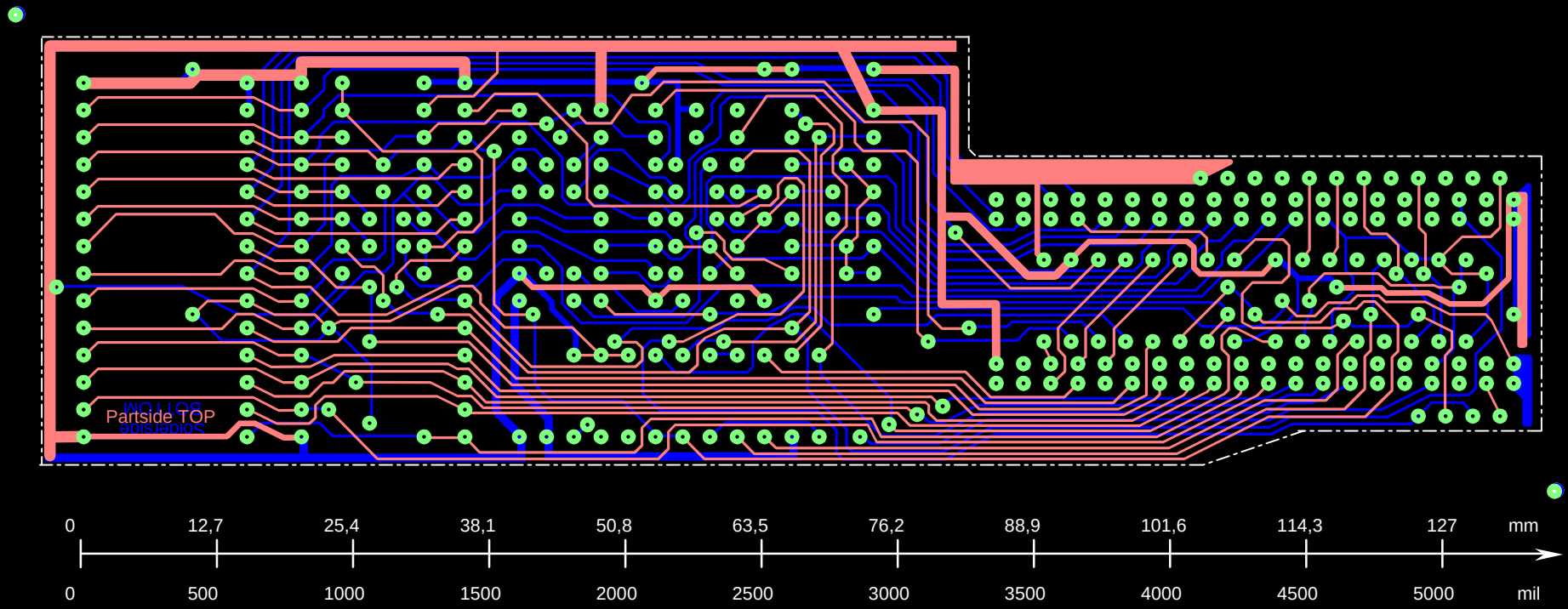
Reconstructed PCB (top and bottom layer) of Professional-DOS



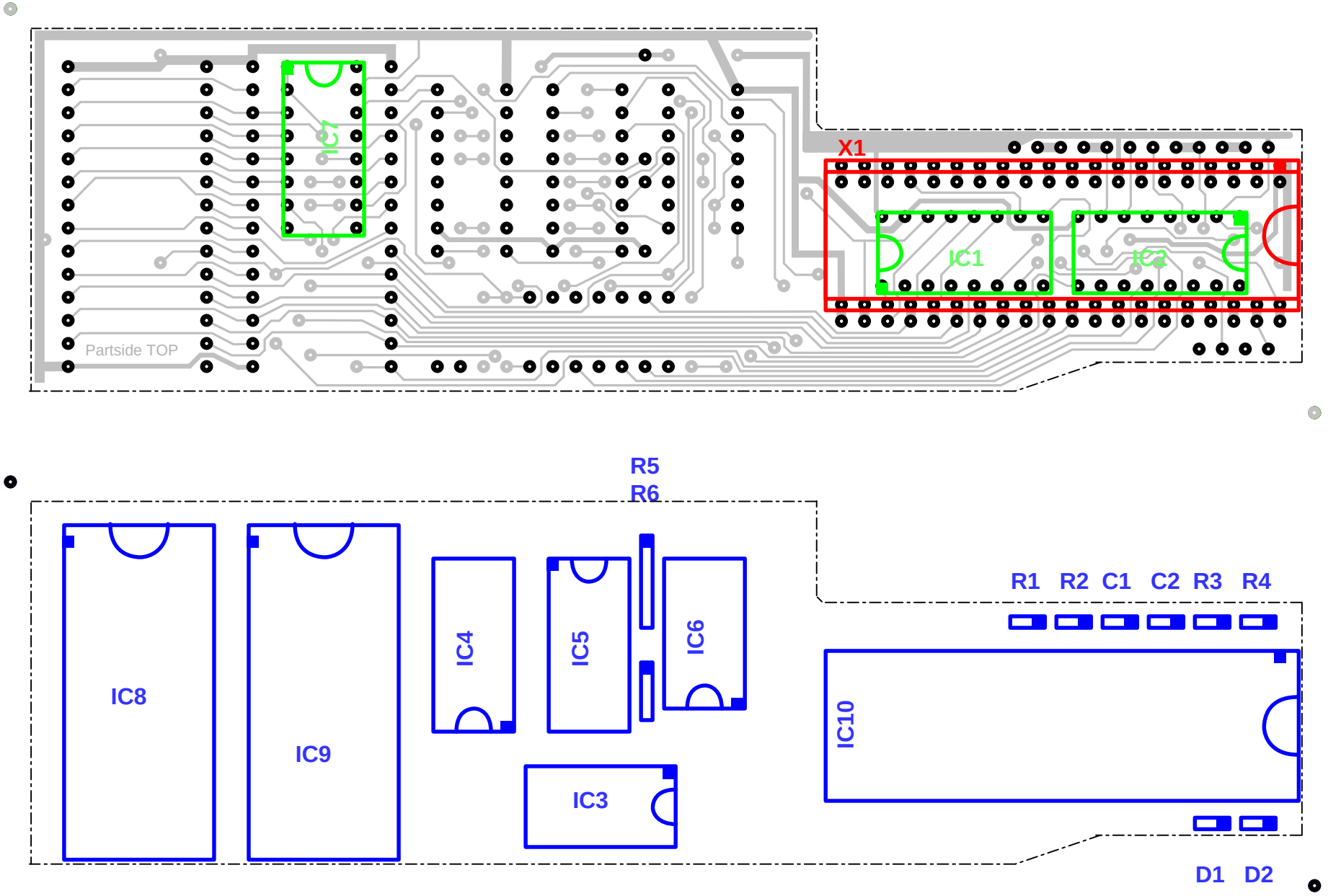
Reconstructed PCB (top and bottom layer) of Professional-DOS;
mirrored for photo reproduction (already scaled correctly to 100%)



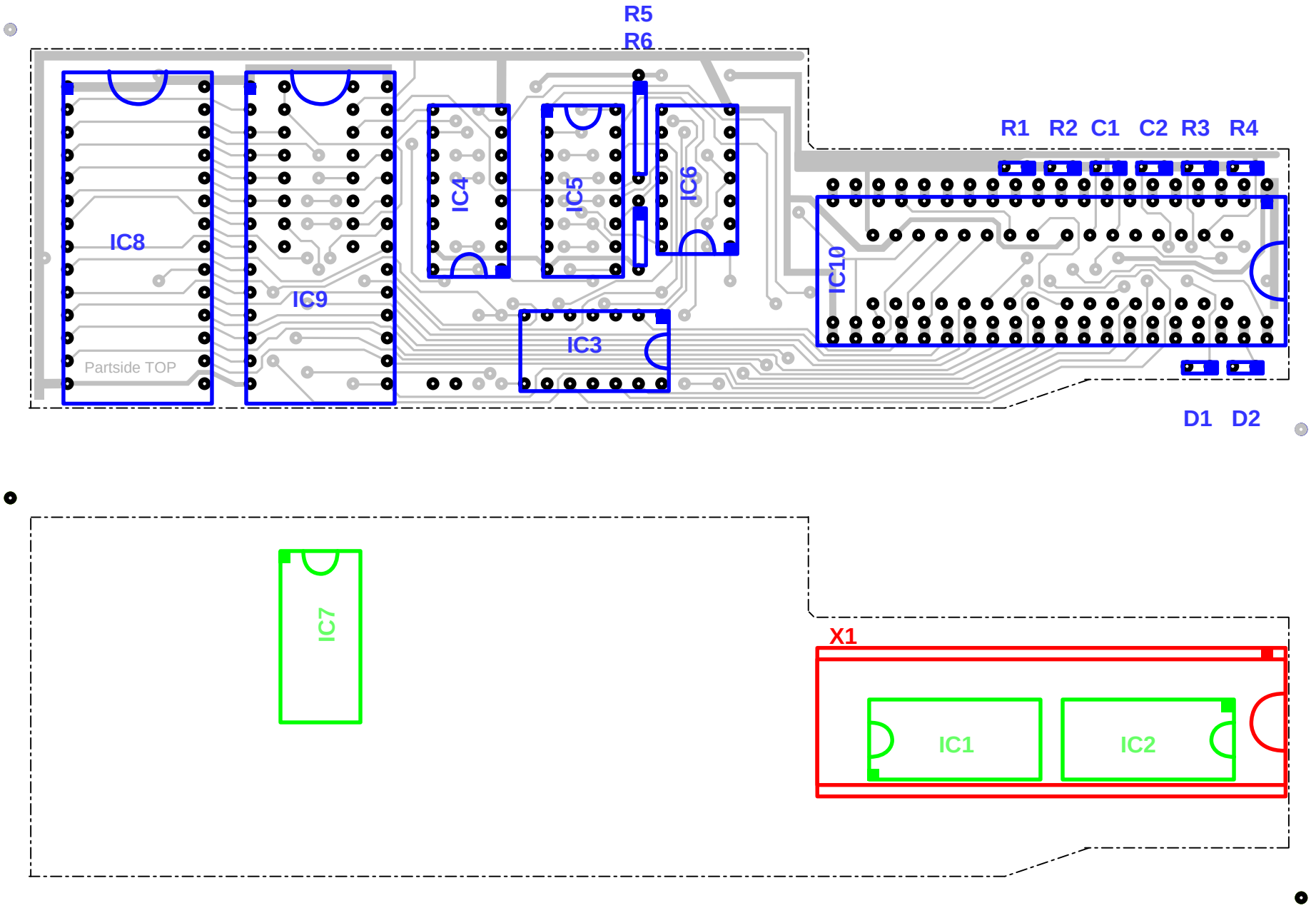
Two-layer view of the reconstructed PCB



PCB-Layout with the IC adaptor mounted onto the bottom side and parts mounted between sockets (first installation step)



PCB-Layout with directly mounted parts (second installation step)



Legend:

R1, R4: Resistor, 1K5 ± 1%
R2, R3: Resistor, 9K1 ± 1%
R5, R6: Resistor, 1K8 ± 1%
C1, C2: Capacitor, 56 pF
D1, D2: Diode, 1N4148

IC3: 74LS00, directly mounted onto the PCB
IC4: 74LS157, directly mounted onto the PCB
IC5: 74LS367 , directly mounted onto the PCB
IC6: 74LS74, directly mounted onto the PCB
IC8: EPROM, 27128, placed into a socket
IC9: Static RAM CMOS 8192x8, TC5565PL-15 or similar (6164, 6264LP-10, ...), placed into a socket
IC10: empty socket, 40 pin (reserved for 6502 processor)

IC1: 82S123 (aka. 74S188), mounted below IC10
IC2: 74LS123
IC7: 74LS173, mounted below IC9 which has to be placed into a socket

X1: IC adaptor, 40 pin, soldered onto the bottom side of the PCB

Pin 1 of all components is marked with a little square (■). In case of the diodes, pin 1 marks the cathode. In case of the resistors and capacitors, pin 1 is only marked for a description of the connection scheme.