

PAL-1 BOM

PART Reference	DESCRIPTION	QUANTITY
> C1, C7-C18	0.1uF capacitor	13
> C2, C3, C6	0.22uF capacitor	3
C4	100uF capacitor	1
C5	10uF capacitor	1
D1	1N4001 diode	1
D2	1N4148 diode	1
D3	LED red	1
J1	DC Jack	1
J2	40 Pin	1
J3	RS232 male	1
JP1	2-pin jumper	1
JP2	2-pin jumper	1
> LED1-LED6	7-seg LED display	6
> Q1-Q7	2N4403 PNP transistor	7
> Q8, Q9	2N4401 NPN transistor	2
> R1-R5, R39, R41	3K3 resistor	7
> R6, R7, R9-R11, R14, R16, R18, R20, R22, R24, R32-R34, R37, R42	1K resistor	16
> R8, R12	47K resistor	2
> R25-R31	100R resistor	7
> R13, R15, R17, R19, R21, R23, R35, R36, R38, R40, R43	220R resistor	11
RN1	4.7K resistor network	1
SW1	SPDT switch	1
SW2 - SW24	Tactile switch	23
U2	74LS38	1
U3	6502 CPU	1
U4	NE556	1
> U1, U5	74LS145	2
> U6, U11	74LS00	2
U7	6532 RIOT	1
U8	74LS138	1
U9	6264 SRAM	1
U10	2764 EPROM	1
U12	L7805 Voltage regulator	1
U13	74LS06N	1
X1	1MHz oscillator	1
mainboard	PAL-1 PCB	1
IC_Socket_40	IC socket 40P	2
IC_Socket_28	IC socket 28P	2
IC_Socket_16	IC socket 16P	3
IC_Socket_14	IC socket 14P	5