

Reference	Value	Footprint	Qty	Notes
CAPACITORS				
C1;C3;C8;C10;C11;C12;C13;C14;C15;C16; C17;C18;C19;C20;C21;C22;C23;C24;C26;C27	100n	Ceramic capacitor	20	
C2;C4;C30	47n	Ceramic capacitor	3	
C5;C9	2.2n	Ceramic capacitor	2	
C6	10n	Ceramic capacitor	1	
C7	2.2u	Electrolytic capacitor	1	
C25	100u 25v	Electrolytic capacitor	1	
C28	30p	Trimmer	1	
C29;C31	220u	Electrolytic capacitor	2	
C32	10u	Electrolytic capacitor	1	
DIODES				
D1;D2;D3;D4;D6;D7;D8;D9;D10;D11;D12	1N4148	DO-35	11	
D5	BAT85	DO-35	1	
INTEGRATED CIRCUITS				
IC2	74F04	DIP14	1	
IC8	74LS00	DIP14	1	
IC3;IC4	74LS257	DIP16	2	
IC9	74LS365	DIP16	1	
IC5;IC6	MEMORY 4464	DIP18	2	
IC7	28C256	DIP28	1	
IC1	HCS10017	DIP40	1	
IC10	CPU 6522	DIP40	1	
IC11	VIA 6502	DIP40	1	
IC15	AY-3-8910	DIP40	1	
IC12	ICM7555xP	DIP8	1	
IC14	LM358	DIP8	1	
IC16	LM386	DIP8	1	
IC17	AD724	SOIC-16W	1	
VOLTAGE REGULATOR				
IC13/IC19	L7805/L7905	TO-220-3	1	

DIP SOCKETS	
DIP14	2
DIP16	3
DIP18	2
DIP28	1
DIP40	4
DIP8	3

CONNECTORS

J1;J11	Conn_01x03	PinHeader_1x03	2 (35 pins total)
J2	DIN-7	DIN7 Socket	1 Tape
SK1	DIN-8	DIN8 Socket	1 Video
J3	Conn_01x14	PinHeader_1x14	1 Keyboard
J4	Barrel_Jack	Barrel Jack	1 Power
J5	Conn_Coaxial	RCA Socket	1 Composite
J6	Conn_01x02	PinHeader_1x02	1 Speaker
J7	Joystick	PinHeader_1x13	1 Keyboard 2
J9	Conn_01x12	PinHeader_1x12	1 Unpopulated
J10	AudioJack4	TRRS Socket PJ-322	1 Audio/Video
SV1	Printer	IDC-Header_2x10	1
SV2	Expansion	IDC-Header_2x17	1

RELAY

K1	SRD-05VDC-SL-C	Relay	1
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CRYSTALS

Q1	12MHz	Crystal_HC49-U	1
Q2	4.433619 MHz	Crystal_HC49-U	1

RESISTORS

R1;R2;R9;R12;R20;R22;R48;R49	1k	Resistor	8
R3	220r	Resistor	1
R4	560r	Resistor	1
R5;R8;R28;R29;R30;R33;R34;R35	2k2	Resistor	8
R6;R7	47k	Resistor	2
R10;R11;R46	22k	Resistor	3
R13;R14;R16;R17;R19	10k	Resistor	5
R15	12k	Resistor	1
R18;R36	100k	Resistor	2
R21	470r	Resistor	1
R23;R39;R40;R41	4k7	Resistor	4
R24;R25;R26;R27	220r	Resistor	4
R31;R32	1M	Resistor	2
R37;R38;R42	68r	Resistor	3

R43;R44;R45	1k8	Resistor	3
R47	10r	Resistor	1
R58	75r	Resistor	1
BUTTON			
SW1	SW_Push	Tact Switch	1
TRANSISTORS			
T1;T3;T5;T8	2N3904	Transistor	4
T2	BS170	Transistor	1
T4;T6;T7	BC549B	Transistor	3