

RefDes	Quantity	Value	
C1	1		104
C2	1		152
C3, C4	2		220
C5	1		103
C6	1	228 35v	
C7	1	108uF 25v	
C8, C10	2	104 100v	
C9	1	108uF 6.3v	
C11, C12, C14, C16	4	107 35v	
C18, C19, C20	3	103 100v	
D1	1	2KBP02	
D2, D3, D12, D13	4	1N4002	
D4, D6	2	BZX55C5V1	
D5, D10	2	1N4148	
D9, D11, D14, D15	4	1N4148	
D16	1	MB6S	
I1, I2	2	ASSR-V622-302E	
IC1	1	Atmega328P-PU	
J1	1	12VAC	
J2, J3	2	Speaker	
J4	1	Rail	
J5	1	BIAS	
J6	1	Start	
J7, J10	2		
J8	1	Thermo	
J9	1	1776275-6	
Q1, Q8, Q9, Q10	4	IPB025N-10N3 G	
Q2	1	MPSA92	
Q3	1	MPSA42	
Q4, Q5	2	2N5551	
Q6, Q7	2	TIP120	
R1	1	4k7	
R2, R8, R14, R22, R23, R26, R27	7	4k7	
R3, R21	2	430R	
R4	1	430R	
R5, R6	2	47k	
R7	1	22k	
R9, R10, R12	3	5k6	
R11	1	10k	
R13	1	12k	
R15, R17	2	100R	
R16, R18	2	47R	
R19	1	220R	
R20	1	2k2	
R24	1	11k	
R25, R28	2	1k	

S1	1 B3SL-1002P
U1, U2, U6	3 HCPL2530
U3	1 LM393N
U4	1 L78S12CV
U5	1 LM7805CT
U7	1 TC54VC3002EZB
Y1	1 HC49S
	91