Circuit Board 1 Parts List

Main board (First circuit × 2)

Quantity Part Reference Value

Capacitors

7 C2,C3,C9,C103, 100 nF

C201,C202,C209

10 C4,C8,C10,C14,C16, 10 µF/25 V

C108,C110,C114,

C116,C204

4 C5,C6,C105,C106 220 nF

6 C11,C15,C19,C111, 470 pF

C115,C119

4 C12,C13,C112,C113 470 µF/25 V

3 C17,C207,C217 47 µF/25 V

2 C18,C118 47 pF

2 C20,C120 15 nF

Diodes

4 D1–D4,D7 1N4148

Integrated Circuits

2 U1,U11 TL082

4 U2,U3,U12,U13 NE5534

2 U4,U14 NE5532

1 U5 Arduino Micro

Miscellaneous

4 J33,J40,J133,J140 RCA

5 K1–K4,K6 2 RT Relay

1 K5 INT

4 RV1,RV2,RV101,RV102 220 A

Modules

1 M3 mass

Resistors (1%)

2 R1,R101 302 Ω

2 R2,R102 9.76 kΩ

28 R3-R9,R21-R23, 10 kΩ

R26,R27,R29,

R41,R42,R105-R109,

R121,R123,

R126,R127,

R141,R142,R203,R204

4 R10,R20,R110,R120 715 kΩ

4 R11,R19,R111,R119 249 kΩ

4 R12,R18,R112,R118 127 kΩ

4 R13,R17,R113,R117 82.5 kΩ

4 R14,R16,R114,R116 64.9 kΩ

2 R15,R115 59 kΩ

4 R24,R25,R124,R125 9.88 kΩ

2 R28,R128 47 kΩ

4 R31,R39,R131,R139 511 kΩ

4 R32,R38,R132,R138 274 kΩ

4 R33,R37,R133,R137 86.6 kΩ

4 R34,R36,R134,R136 38.3 kΩ

2 R35,R135 30.1 kΩ

Transistors

5 Q1–Q5 BC547B