

| Step | Qty | Reference(s) | Value | LibPart | Footprint | Note |
|------|-----|---|------------|------------|---|--------------------------|
| 19 | 12 | R2, R12, R13, R16, R17, R22, R27, R30, R38, R42, R45, R53 | 100K | device:R | SMD:R_0805 | |
| 21 | 9 | R4, R24, R26, R29, R32, R34, R35, R47, R48 | 10K | device:R | SMD:R_0805 | |
| 4 | 7 | R18, R19, R20, R21, R55, R58, R63 | 470R | device:R | SMD:R_0805 | |
| 5 | 7 | R23, R33, R37, R41, R46, R50, R56 | 1K | device:R | SMD:R_0805 | |
| 22 | 6 | R49, R51, R52, R57, R61, R62 | 2K2 | device:R | SMD:R_0805 | |
| 2 | 4 | R15, R39, R54, R64 | 4K7 | device:R | SMD:R_0805 | |
| 3 | 4 | R14, R25, R28, R43 | 47K | device:R | SMD:R_0805 | |
| 6 | 2 | R31, R36 | 100R | device:R | SMD:R_0805 | |
| 7 | 2 | R40, R44 | 22K | device:R | SMD:R_0805 | |
| 8 | 2 | R59, R60 | 47R | device:R | SMD:R_0805 | |
| 18 | 1 | R1 | 1M | device:R | SMD:R_0805 | |
| 20 | 1 | R3 | 470K | device:R | SMD:R_0805 | |
| 1 | 1 | R8 | 4M7 | device:R | SMD:R_0805 | |
| 16 | 5 | Q1, Q2, Q5, Q6, Q7 | MMBT3904 | device:Q_N | Package_TO_SOT_SMD:SOT-23 | |
| 17 | 2 | Q3, Q4 | MMBFJ112 | Transistor | SOT-23 | J309 also tested working |
| 10 | 2 | C1, C2 | 10u | Device:CP | THT:CP_Radial_D5.0mm | |
| 11 | 1 | C3 | 1u | device:C | SMD:C_0805 | |
| 12 | 8 | C4, C6, C7, C8, C12, C13, C15, C16 | 100n | device:C | SMD:C_0805 | |
| 13 | 1 | C5 | 1n | device:C | SMD:C_0805 | |
| 14 | 1 | C9 | 20pF | device:C | SMD:C_0805 | |
| 15 | 1 | C10 or C11 | 1nF | device:C | two footprints for the same accumulator, use c0g or film, etc fancy | |
| 16 | 1 | C14 | 100pF | device:C | SMD:C_0805 | |
| 17 | 2 | D1, D4 | MMSZ5231B | device:ZEN | Diode_SMD:D_SOD-123 | |
| 35 | 1 | U1 | TL072 | Amplifier | Package_SO:SOIC-8_3.9x4.9mm | |
| 36 | 3 | U2, U3, U4 | TL074 | Amplifier | Package_SO:SOIC-14_3.9x8.7mm | |
| 18 | 2 | D2, D3 | 1N5819 | device:D | THT:D_DO-41 | |
| 15 | 1 | J13 | Conn_02x05 | Connector | PinHeader_2x05_P2.54mm_Vertical | |
| | 1 | R5 | ? | 2k2 total | R_0805 | |
| | 1 | R6 or R7 | ? | 2k2 total | PTC | |
| 23 | 1 | R9 or R10 | ? | 4k7 total | NTC | |
| 24 | 1 | R11 | ? | 4k7 total | R_0805 | |
| 13 | 2 | J9, J10 | Conn_01x10 | Connector | PinHeader_1x10_P2.54mm Male | |
| 14 | 2 | J11, J12 | Conn_01x10 | Connector | PinHeader_1x10_P2.54mm Female | |
| 33 | 4 | RV1, RV2, RV3, RV5 | B100K | device:POT | THT:Alpha_RD901F-40-00D_Single_Vertical | |
| 34 | 1 | RV4 | B2K | device:POT | THT:Bourns_3296W_Vertical | |
| 19 | 8 | J1, J2, J3, J4, J5, J6, J7, J8 | JACK_2P | device:JAC | europi:Thonkiconn | |