

Metal-O-Tron II v1.5 - Bill Of Materials

| Id | Designator   | Quantity | Designation             |  |  |  |
|----|--|----------|-------------------------|--|--|--|
| 1  | R56,R43,R40,R37,R18,R13,R53,R52,R82,R64,R30  | 11       | 1k                      |  |  |  |
| 2  | R20  | 1        | 1.5k                    |  |  |  |
| 3  | R68, R9  | 2        | 4.7k                    |  |  |  |
| 4  | R41,R8,R6,R4,R2, R44,R57,R38,R55,R33,R59, R45,R42  | 13       | 10k                     |  |  |  |
| 5  | R67  | 1        | 15k                     |  |  |  |
| 6  | R51,R66,R65  | 3        | 20k                     |  |  |  |
| 7  | R87,R73  | 2        | 30k                     |  |  |  |
| 8  | R26,R86,R81,R80,R46  | 5        | 47k                     |  |  |  |
| 9  | R60,R48  | 2        | 68k                     |  |  |  |
| 10 | R69,R70,R72,R71,R34,R83,R39,R36,R32,R25,R21, R10,R85,R77,R79,R28,R27,R24,R23,R22,R16,R12, R15,R14,R7,R5,R17,R11,R3,R1,R61,R29,R62,R58, R54,R49 | 36       | 100k                    |  |  |  |
| 11 | R50,R35  | 2        | 200k                    |  |  |  |
| 12 | R75  | 1        | 220k                    |  |  |  |
| 13 | R74  | 1        | 300k                    |  |  |  |
| 14 | R76,R63  | 2        | 470k                    |  |  |  |
| 15 | R31,R89, R88,R78,R84,R47   | 6        | 1M                      |  |  |  |
| 16 | C27,C12  | 2        | 150pF                   |  |  |  |
| 17 | C31  | 1        | 4.7nF                   |  |  |  |
| 18 | C5,C9  | 2        | 10nF                    |  |  |  |
| 19 | C35,C34,C28,C26,C25,C23,C22,C20,C19,C18, C17,C16,C15,C14,C13,C11,C4,C3,C2,C1,C10   | 21       | 100nF                   |  |  |  |
| 20 | C7,C6  | 2        | 220nF                   |  |  |  |
| 21 | C33  | 1        | 470nF                   |  |  |  |
| 22 | C21  | 1        | 1uF                     |  |  |  |
| 23 | C8   | 1        | 4.7uF                   |  |  |  |
| 24 | C24, C30,C29   | 3        | 10uF                    |  |  |  |
| 25 | C32  | 1        | 47uF                    |  |  |  |
| 26 | U8,U7,U5   | 3        | TL072                   |  |  |  |
| 27 | U1,U4,U3,U2  | 4        | TL074                   |  |  |  |
| 28 | U11  | 1        | LM13700                 |  |  |  |
| 29 | U17  | 1        | AS3360                  |  |  |  |
| 30 | U6   | 1        | CD4070                  |  |  |  |
| 31 | Q8,Q7,Q6,Q5  | 4        | 2N3904                  |  |  |  |
| 32 | Q1   | 1        | BC550                   |  |  |  |
| 33 | Q2   | 1        | J201                    |  |  |  |
| 34 | Q3,Q4  | 2        | 2N3906                  |  |  |  |
| 35 | D9,D3,D1,D8,D7,D6,D5,D2  | 8        | D                       |  |  |  |
| 36 | D4   | 1        | LED                     |  |  |  |
| 37 | VCA_ON/OFF, SW4, SW3, SW2, DECAY 1   | 5        | ON-ON                   |  |  |  |
| 38 | M7,M6,M5,M4,M3,M2,M1   | 7        | OUT                     |  |  |  |
| 39 | J9,J7,J5,J3  | 4        | Pin Header male 9 pin   |  |  |  |
| 40 | J8,J6,J4,J2  | 4        | Pin Header Female 9 pin |  |  |  |
| 41 | J1   | 1        | IDC 2x5                 |  |  |  |
| 42 | RV10,RV6,RV5   | 3        | A100K                   |  |  |  |

|    |                               |     |                    |  |  |  |
|----|-------------------------------|-----|--------------------|--|--|--|
| 43 | RV13,RV11,RV7,RV4,RV3,RV2,RV1 | 7   | B100K              |  |  |  |
| 44 | RV12                          | 1   | B10K-Center dented |  |  |  |
| 45 | RV8                           | 1   | A1M                |  |  |  |
| 46 | RV9                           | 1   | 100K trimmer       |  |  |  |
|    | RV14                          | 1   | 20K trimmer        |  |  |  |
| 47 |                               | 12  | knobs & tops       |  |  |  |
| 48 |                               | 4   | screws & washers   |  |  |  |
| 49 |                               | 1   | power cable        |  |  |  |
| 50 |                               | 1   | IDC female 2x5     |  |  |  |
| 51 |                               | 1   | IDC female 2x8     |  |  |  |
| 52 |                               | 6   | DIP 14 socket      |  |  |  |
| 53 |                               | 1   | DIP 16 socket      |  |  |  |
| 54 |                               | 1   | DIP 8 socket       |  |  |  |
|    | Total                         | 212 |                    |  |  |  |