

Bill of material

Capacitors

| | |
|-----|-------|
| C1 | 100nF |
| C2 | 100uF |
| C3 | 10uF |
| C4 | 1uF |
| C5 | 1nF |
| C6 | 1nF |
| C7 | 22pF |
| C8 | 100nF |
| C9 | 1uF |
| C10 | 4n7 |

IC:s and transistors

| | |
|--------|--------------|
| IC1 | TL072 |
| IC3 | CD4049 |
| IC4 | CD4046 |
| IC5 | TL072 |
| MN3007 | MN3007 |
| D1 | 3mmLED |
| D2-5 | 1N914 or eq. |

Resistors

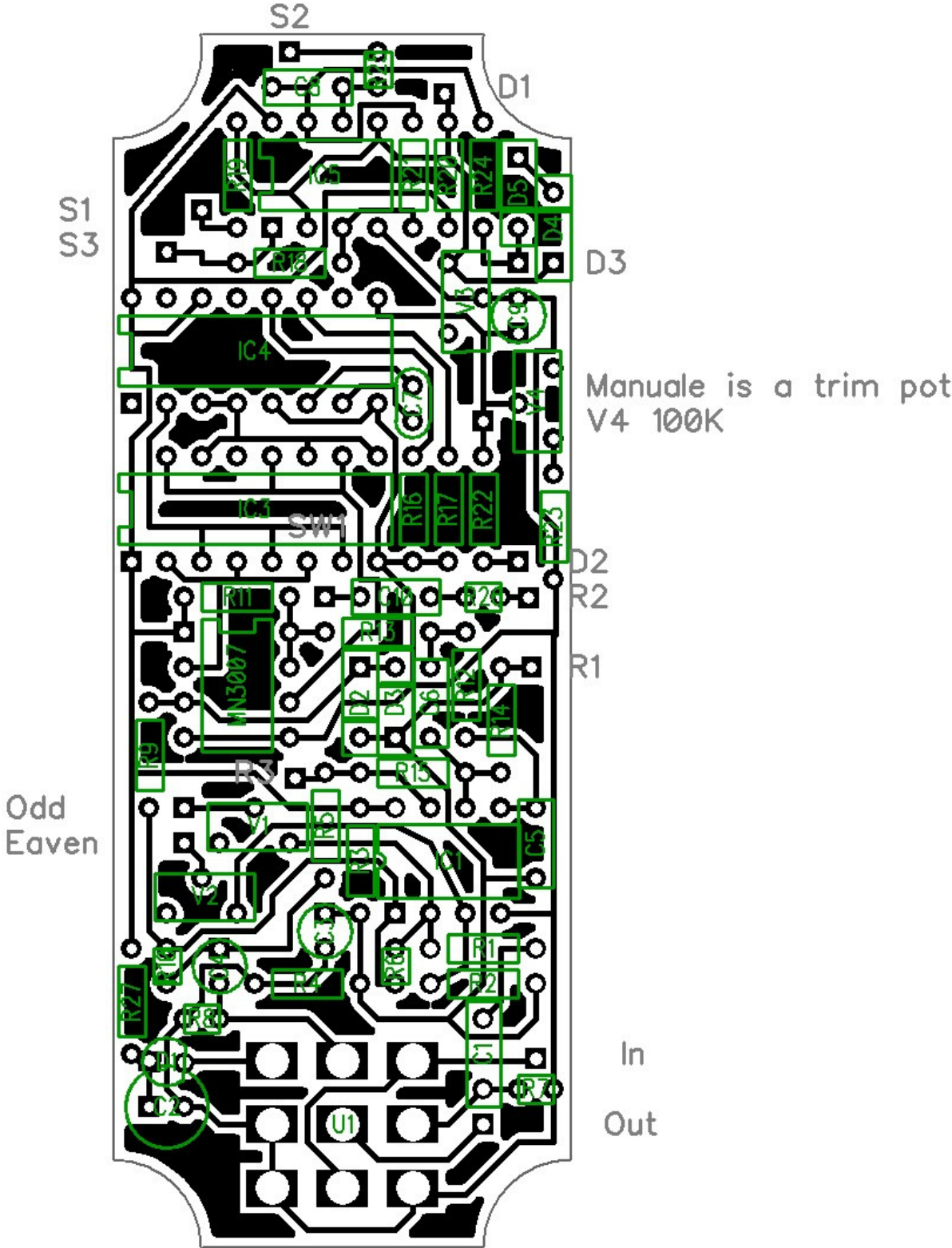
| | | | |
|-----|------|-----|------|
| R1 | 100K | R17 | 2K7 |
| R2 | 68K | R18 | 100K |
| R3 | 10K | R19 | 470R |
| R4 | 12K | R20 | 10K |
| R5 | 10K | R21 | 47K |
| R6 | 150K | R22 | 100K |
| R7 | 1M | R23 | 39K |
| R8 | 100K | R24 | 22K |
| R9 | 10K | R25 | 470K |
| R10 | 10K | R26 | 270K |
| R11 | 47K | R27 | 1K |
| R12 | 47K | | |
| R13 | 47K | | |
| R14 | 100K | | |
| R15 | 100K | | |
| R16 | 3M3 | | |

Other

| | |
|--------|-------|
| V1 | 100K |
| V2 | 100K |
| V3 | 20K |
| V4 | 100K |
| Rate | 100KA |
| Regen | 100KA |
| Depth | 100KA |
| Manual | 100KA |

Layout and wiring

Bias V3 at apr. 3.8V



Component layout

