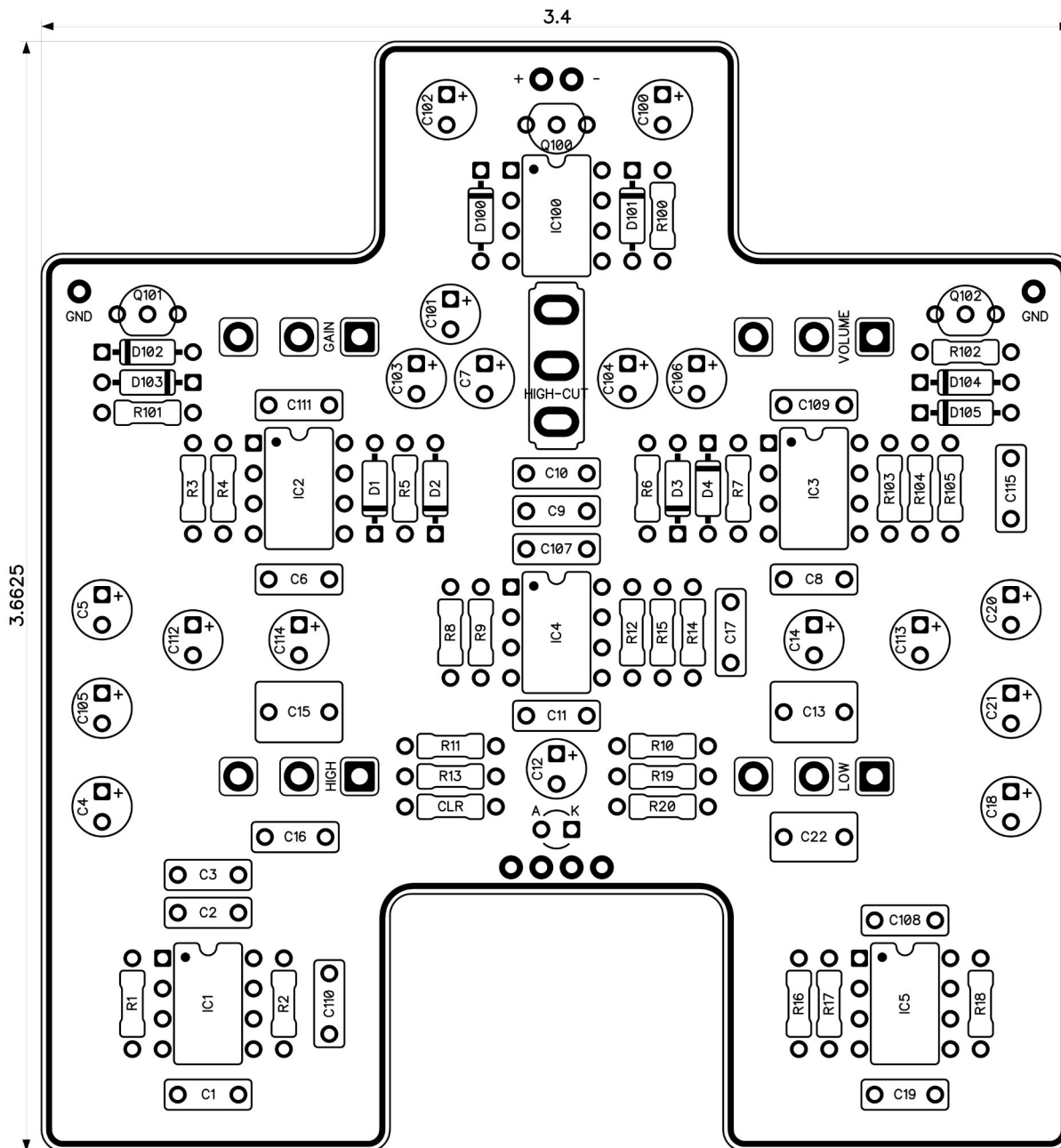


# PedalPCB

## Chauffeur Overdrive

Revised 12/23/22



### CONTROLS AND FEATURES

- Volume
- Gain
- Low
- High
- High-cut (Toggle switch)

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| LOCATION | VALUE | TYPE                        | NOTES                           |
|----------|-------|-----------------------------|---------------------------------|
| R1       | 576K  | Resistor, 1/4W              |                                 |
| R2       | 10K   | Resistor, 1/4W              |                                 |
| R3       | 22K   | Resistor, 1/4W              |                                 |
| R4       | 1K    | Resistor, 1/4W              |                                 |
| R5       | 22K   | Resistor, 1/4W              |                                 |
| R6       | 1K    | Resistor, 1/4W              |                                 |
| R7       | 22K   | Resistor, 1/4W              |                                 |
| R8       | 12K4  | Resistor, 1/4W              |                                 |
| R9       | 6K2   | Resistor, 1/4W              |                                 |
| R10      | 1K    | Resistor, 1/4W              |                                 |
| R11      | 4K7   | Resistor, 1/4W              |                                 |
| R12      | 15K   | Resistor, 1/4W              |                                 |
| R13      | 330R  | Resistor, 1/4W              |                                 |
| R14      | 470R  | Resistor, 1/4W              |                                 |
| R15      | 100K  | Resistor, 1/4W              |                                 |
| R16      | 22K   | Resistor, 1/4W              |                                 |
| R17      | 4K7   | Resistor, 1/4W              |                                 |
| R18      | 10K   | Resistor, 1/4W              |                                 |
| R19      | 1M    | Resistor, 1/4W              |                                 |
| R20      | 100R  | Resistor, 1/4W              |                                 |
| R100     | 1K    | Resistor, 1/4W              |                                 |
| R101     | 1K    | Resistor, 1/4W              |                                 |
| R102     | 1K    | Resistor, 1/4W              |                                 |
| R103     | 47K   | Resistor, 1/4W              |                                 |
| R104     | 47K   | Resistor, 1/4W              |                                 |
| R105     | 1K    | Resistor, 1/4W              |                                 |
| CLR      | 4K7   | Resistor, 1/4W              | * LED current limiting resistor |
|          |       |                             |                                 |
| C1       | 47n   | Film capacitor, 7.2 x 2.5mm |                                 |
| C2       | 3n3   | Film capacitor, 7.2 x 2.5mm |                                 |
| C3       | 33n   | Film capacitor, 7.2 x 2.5mm |                                 |
| C4       | 47u   | Electrolytic capacitor, 5mm |                                 |
| C5       | 22u   | Electrolytic capacitor, 5mm |                                 |
| C6       | 150p  | Ceramic capacitor           |                                 |
| C7       | 22u   | Electrolytic capacitor, 5mm |                                 |
| C8       | 150p  | Ceramic capacitor           |                                 |
| C9       | 15n   | Film capacitor, 7.2 x 2.5mm |                                 |
| C10      | 27n   | Film capacitor, 7.2 x 2.5mm |                                 |
| C11      | 4n7   | Film capacitor, 7.2 x 2.5mm |                                 |
| C12      | 22u   | Electrolytic capacitor, 5mm |                                 |
| C13      | 1u    | Film capacitor, 7.2 x 5.0mm |                                 |
| C14      | 22u   | Electrolytic capacitor, 5mm |                                 |
| C15      | 8n2   | Film capacitor, 7.2 x 2.5mm |                                 |
| C16      | 2n2   | Film capacitor, 7.2 x 2.5mm |                                 |
| C17      | 47p   | Ceramic capacitor           |                                 |
| C18      | 22u   | Electrolytic capacitor, 5mm |                                 |
| C19      | 150p  | Ceramic capacitor           |                                 |
|          |       | Continued on next page...   |                                 |

| LOCATION | VALUE     | TYPE                           | NOTES                  |
|----------|-----------|--------------------------------|------------------------|
| C20      | 100u      | Electrolytic capacitor, 5mm    |                        |
| C21      | 100u      | Electrolytic capacitor, 5mm    |                        |
| C22      | 470n      | Film capacitor, 7.2 x 5.0mm    |                        |
| C100     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C101     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C102     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C103     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C104     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C105     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C106     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C107     | 100n      | Film capacitor, 7.2 x 2.5mm    |                        |
| C108     | 100n      | Film capacitor, 7.2 x 2.5mm    |                        |
| C109     | 100n      | Film capacitor, 7.2 x 2.5mm    |                        |
| C110     | 100n      | Film capacitor, 7.2 x 2.5mm    |                        |
| C111     | 100n      | Film capacitor, 7.2 x 2.5mm    |                        |
| C112     | 47u       | Electrolytic capacitor, 5mm    |                        |
| C113     | 22u       | Electrolytic capacitor, 5mm    |                        |
| C114     | 22u       | Electrolytic capacitor, 5mm    |                        |
| C115     | 470n      | Film capacitor, 7.2 x 5.0mm    |                        |
|          |           |                                |                        |
| D1       | 1N5222B   | Zener diode, 2.5V              |                        |
| D2       | 1N5222B   | Zener diode, 2.5V              |                        |
| D3       | 1N5222B   | Zener diode, 2.5V              |                        |
| D4       | 1N5222B   | Zener diode, 2.5V              |                        |
| D100     | 1N5819    | Schottky diode, DO-41          |                        |
| D101     | 1N5242B   | Zener diode, 12V               |                        |
| D102     | 1N4007    | Switching diode, DO-35         |                        |
| D103     | 1N4007    | Switching diode, DO-35         |                        |
| D104     | 1N4148    | Signal diode, DO-35            |                        |
| D105     | 1N5231    | Zener diode, 5.1V              |                        |
|          |           |                                |                        |
| Q100     | 2N4401    | BJT transistor, NPN TO-92      |                        |
| Q101     | 2N4401    | BJT transistor, NPN TO-92      |                        |
| Q102     | 2N4403    | BJT transistor, PNP TO-92      |                        |
|          |           |                                |                        |
| IC1      | RC4558    | Dual op-amp, DIP8              |                        |
| IC2      | RC4558    | Dual op-amp, DIP8              |                        |
| IC3      | RC4558    | Dual op-amp, DIP8              |                        |
| IC4      | RC4558    | Dual op-amp, DIP8              |                        |
| IC5      | RC4558    | Dual op-amp, DIP8              |                        |
| IC100    | 7660SCPAZ | Charge Pump IC, DIP8           |                        |
|          |           |                                |                        |
| VOLUME   | B10K      | 16mm right-angle PCB mount pot |                        |
| GAIN     | B10K      | 16mm right-angle PCB mount pot |                        |
| LOW      | B10K      | 16mm right-angle PCB mount pot |                        |
| HIGH     | B10K      | 16mm right-angle PCB mount pot |                        |
|          |           |                                |                        |
| HIGH-CUT | ON/OFF/ON | Toggle switch, SPDT            | 3-position (ON/OFF/ON) |

