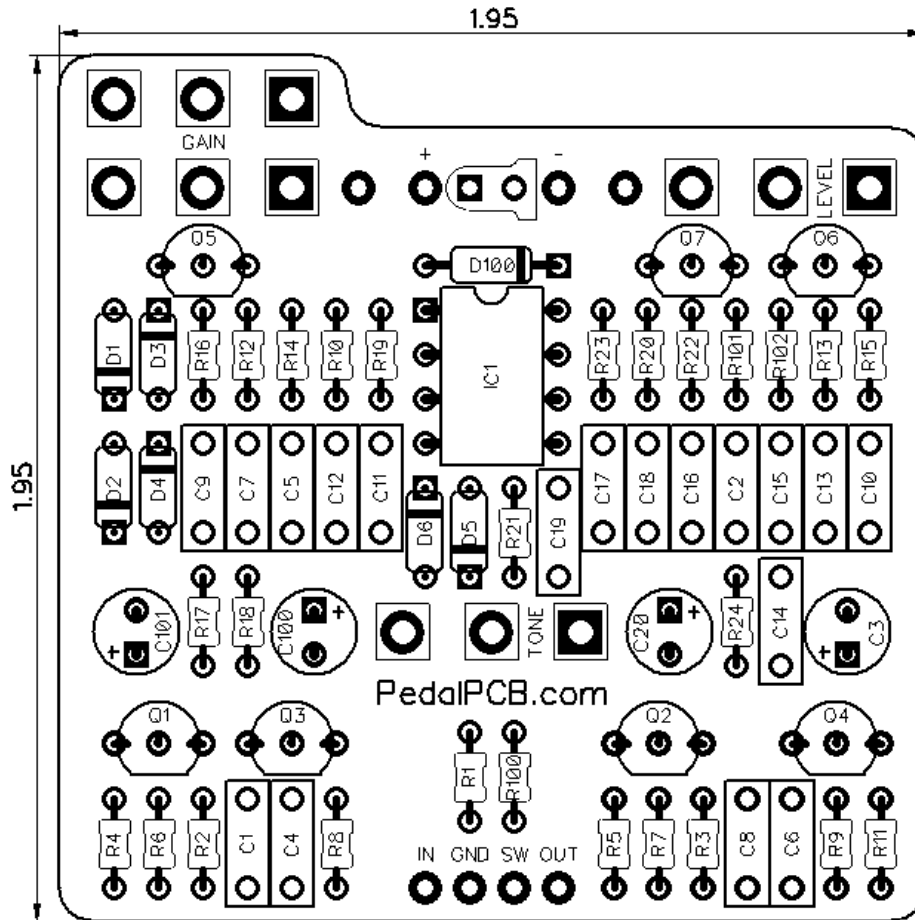




# PedalPCB

## Cobalt Drive

Revision 03.02.20



## Introduction

The Cobalt Drive was inspired by a classic “Blues” drive pedal.

## Controls

- **Gain** – Sets the amount of signal drive
- **Tone** – Control the tone
- **Level** – Adjusts the overall output volume

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**RESISTORS (1/8W)**

R1 2M  
R2 220K  
R3 1M  
R4 2K2  
R5 2K2  
R6 4K7  
R7 4K7  
R8 1K5  
R9 2K2  
R10 22K  
R11 33K  
R12 2K2  
R13 2K2  
R14 100K  
R15 5K6  
R16 330K  
R17 15K  
R18 1M  
R19 470K  
R20 1K2  
R21 6K8  
R22 470K  
R23 10K  
R24 10K  
R100 4K7  
R101 10K  
R102 10K

**CAPACITORS**

C1 100n  
C2 2n2  
C3 1u  
C4 150n  
C5 47p  
C6 100p  
C7 47p  
C8 100p  
C9 220p  
C10 5n6  
C11 47n  
C12 100n  
C13 5n6  
C14 18n  
C15 18n  
C16 47n  
C17 56n  
C18 56n  
C19 2n2  
C20 10u  
C100 100u  
C101 47u

**TRANSISTORS**

Q1 J201  
Q2 J201  
Q3 J201  
Q4 J201  
Q5 2N3906  
Q6 2N3906  
Q7 2N3904

**INTEGRATED CIRCUITS**

IC1 TL071

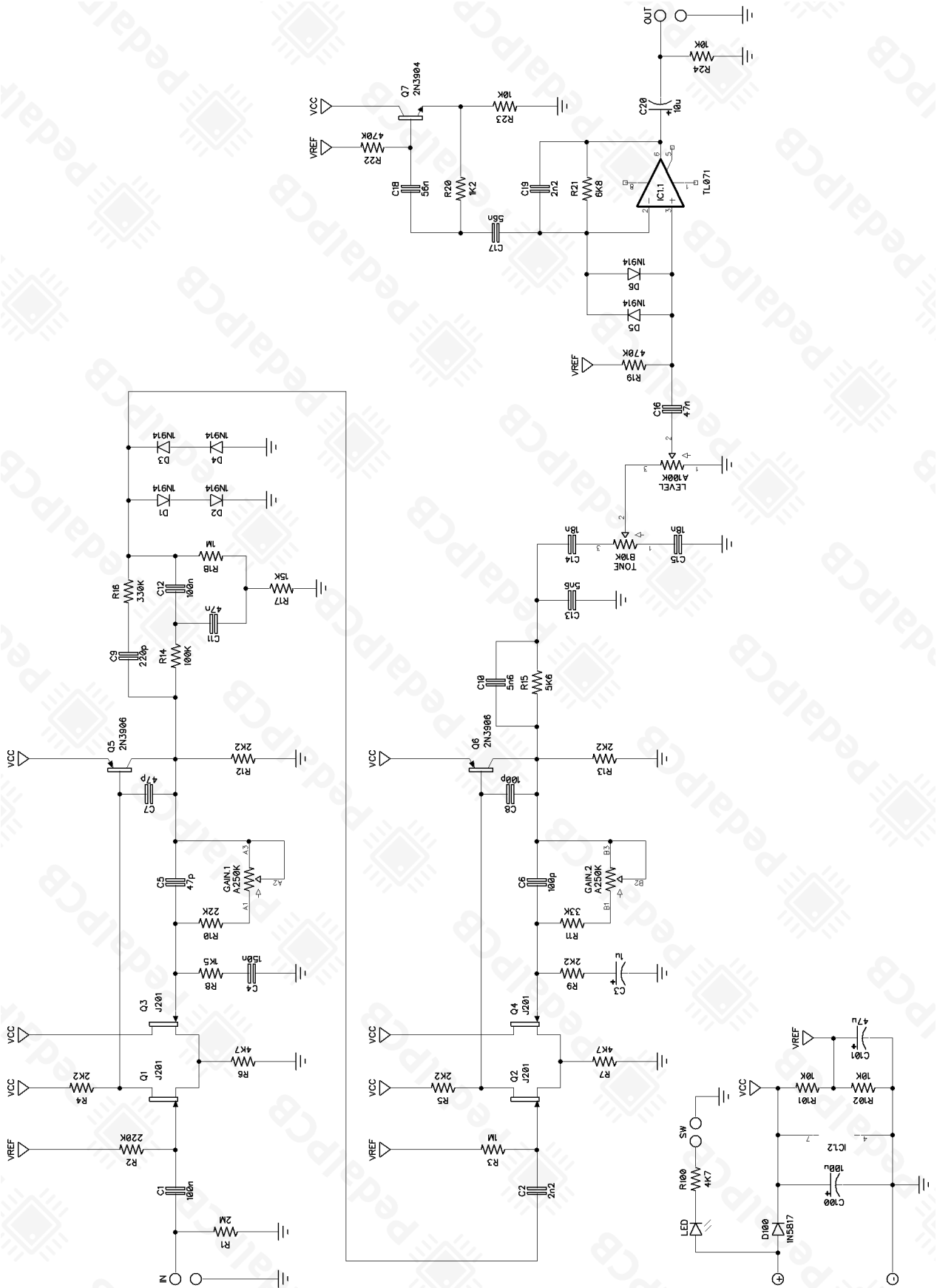
**DIODES**

D1 1N914  
D2 1N914  
D3 1N914  
D4 1N914  
D5 1N914  
D6 1N914  
D100 1N5817

**POTENTIOMETERS**

GAIN A250K (DUAL)  
TONE B10K  
LEVEL A100K

# Cobalt Drive



# Cobalt Drive

Wiring Diagram



# Cobalt Drive

Drill Template  
125B enclosure with top mounted jacks

