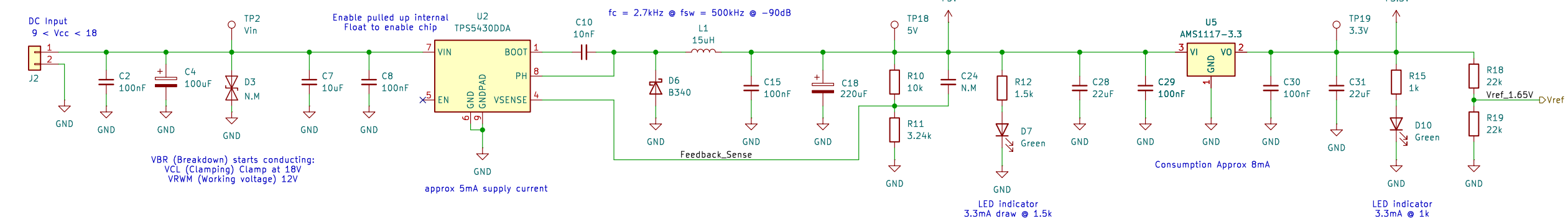
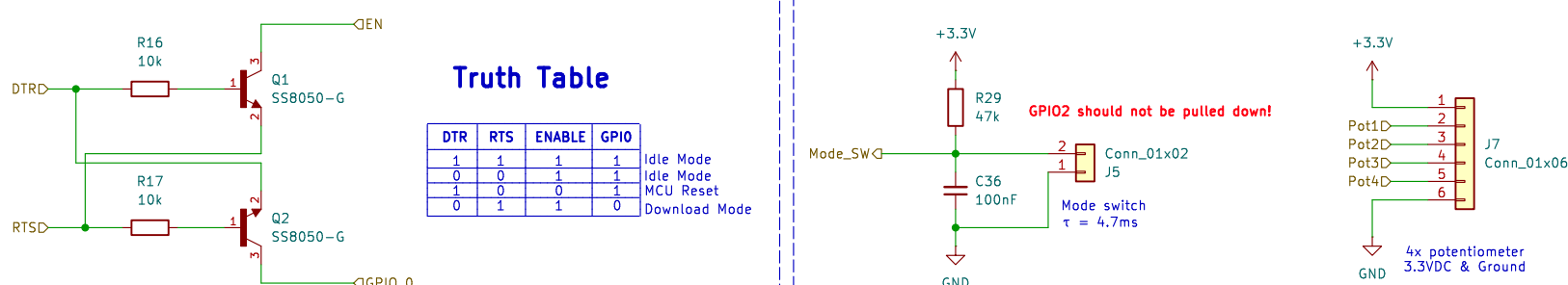


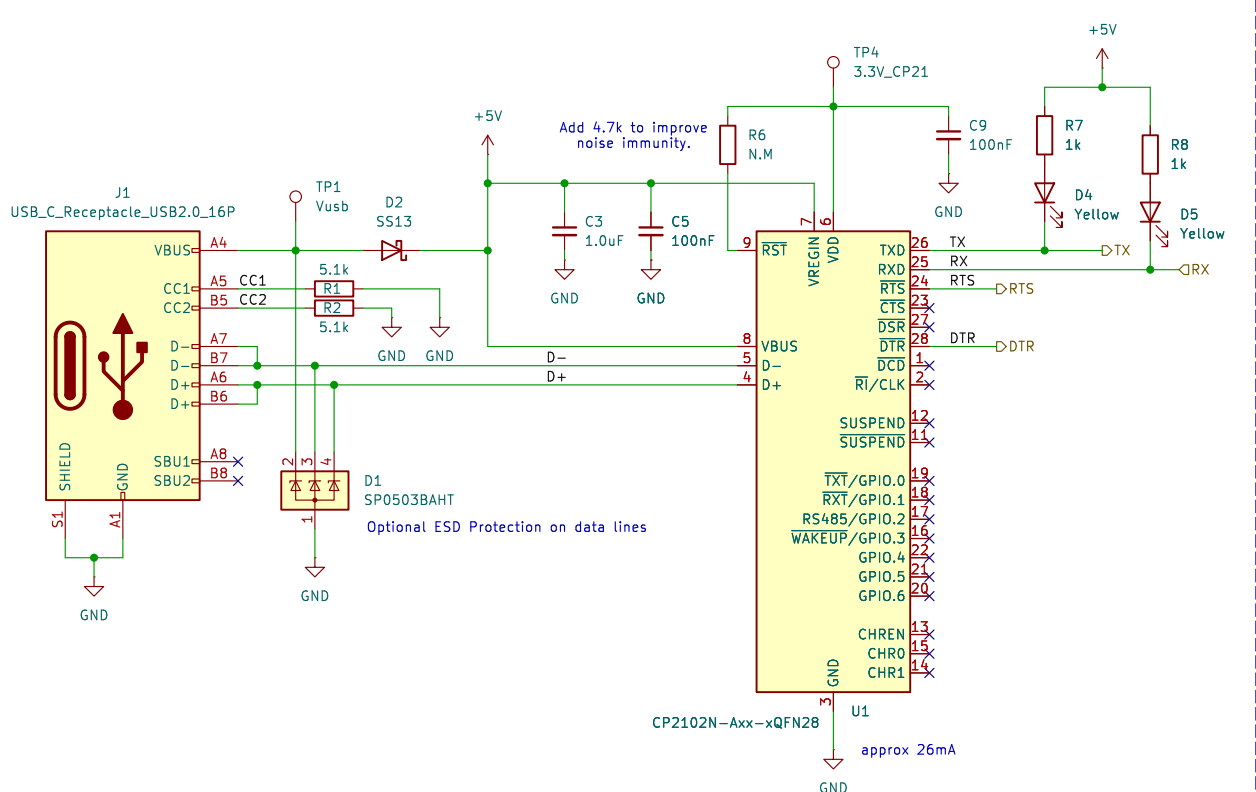
Power Supply



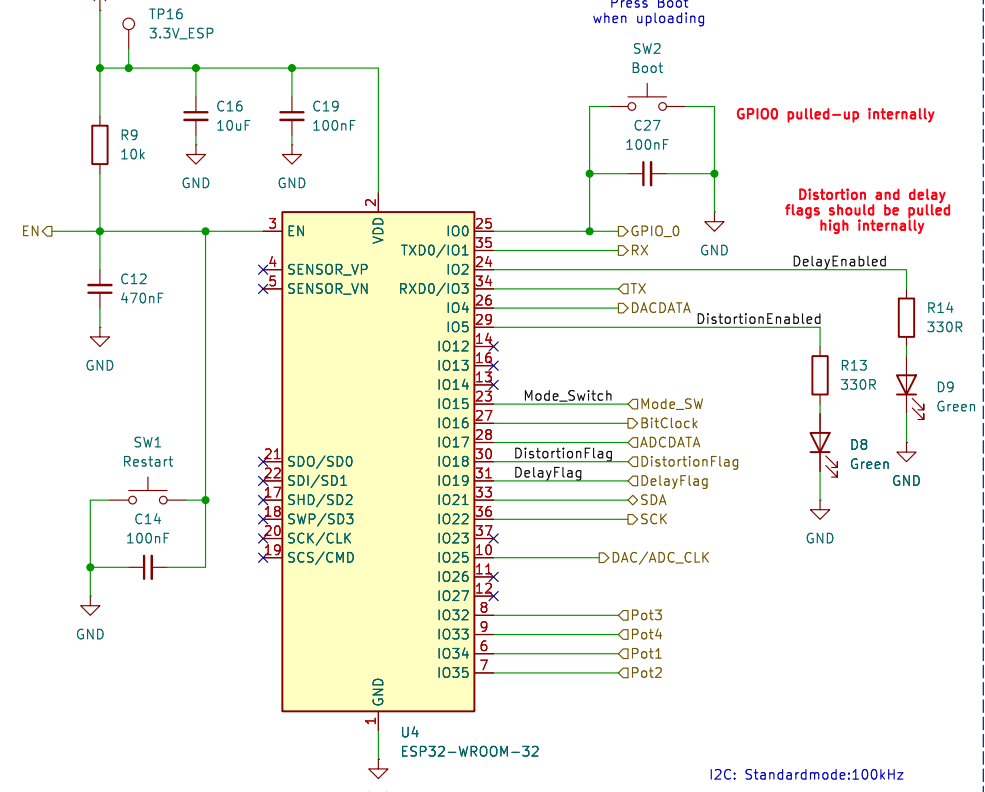
AUTO Programmer



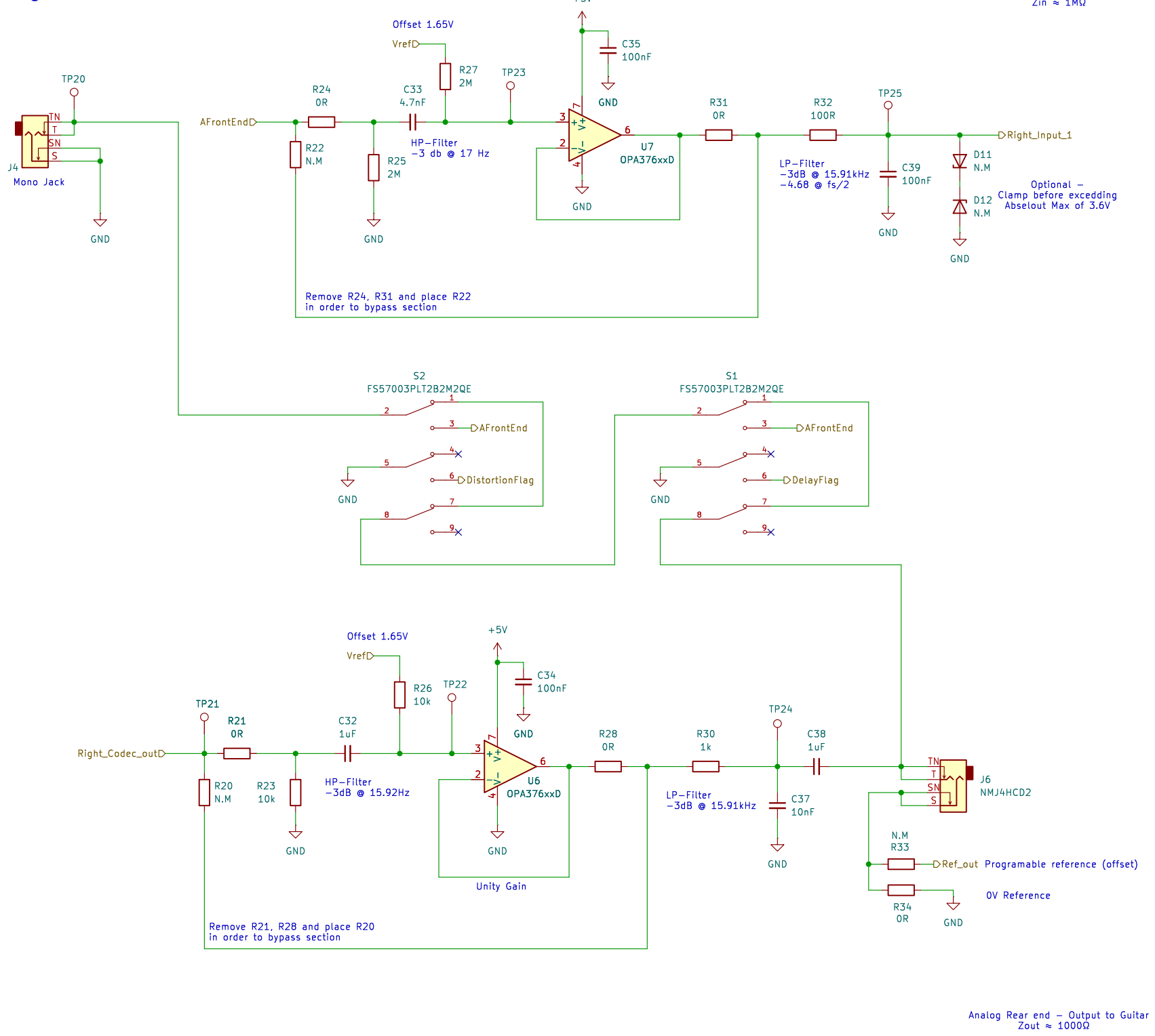
USB & UART



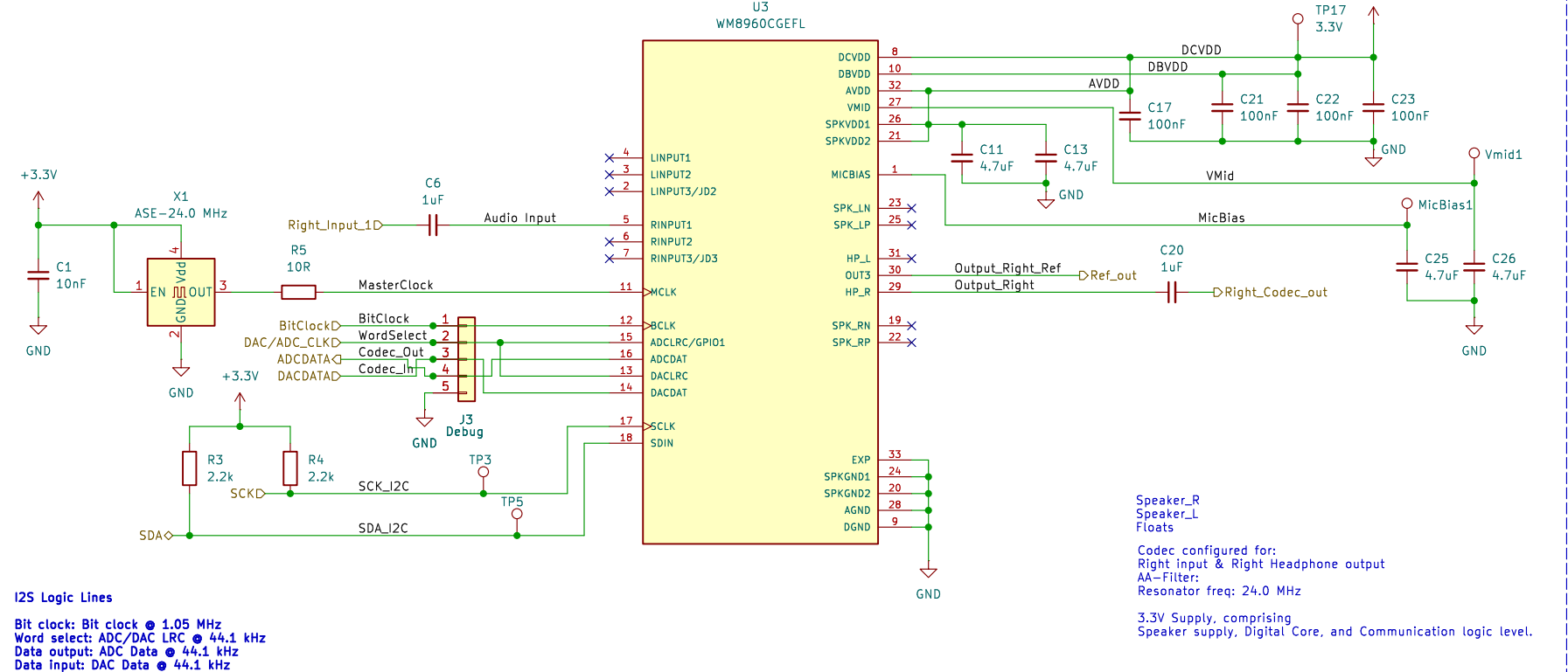
MCU



Analog Front & Rear End



CODEC



System Specs

$Z_{in} \approx 1\text{M}\Omega$ & $Z_{out} \approx 1\text{k}\Omega$
 $f_s = 44.1\text{kHz}$ & 16 Bit.
Bandwidth defined by HP & LP filter (17 Hz to 15.9 kHz).
Wi-Fi & Bluetooth capabilities.
Option for variable effects & Mode switch.
PSU capabilities 5V @ 3 A and 3.3V @ 1 A.
Input Vcc 9 V (Max 18 V).
Option for customisable virtual comports driver (CP2102).
Scaleable and configurable digital effect pedal.
Max full scale audio 2.8V

Johannes Deigaard

Sheet: /
File: DigitalGuitarPedal.kicad_sch

Title: Digital Guitar Effect Pedal

Size: A2 Date: 2024-11-12

Rev: 1.0

KiCad E.D.A. B.0.4

Id: 1/1