Raspberry Pi Pico 4 Port DNVT (Digital Non-secure Voice Terminal) Switch

Robert Ruark, Nick Andre
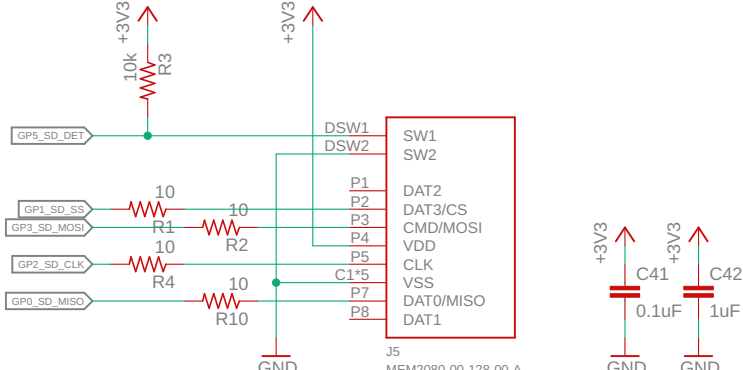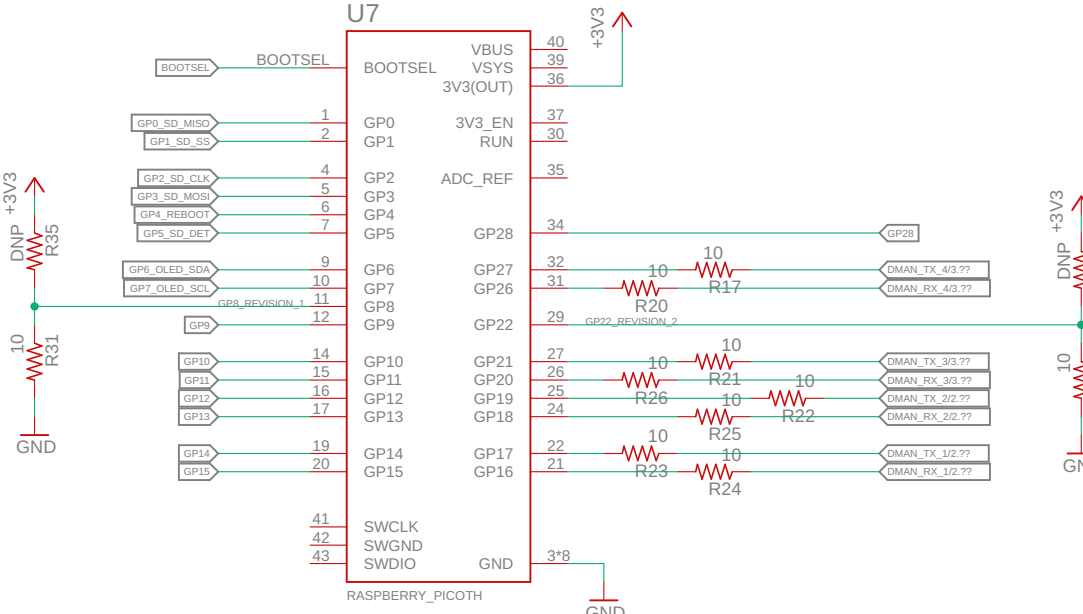2022

Bootloader Select Switch

A through hole via has been placed under the BOOTSEL test point to allow for a Mil-Max 0978-0-15-20-75-14-11-0 Pogo pin to be installed to connect to it.
This pogo pin may be slightly short, so add a solder bump to the test point.

By default, the BOOTSEL pogo pin is not used and instead software must monitor GP4 to trigger reboot into USB bootloader mode.

Revision Strapping

Raspberry Pi Pico

U7
RASPBERRY_PICOTH

Revision Strapping

uSD Card Slot

J5
MEM2080-00-128-00-A

External Expansion Header

JP1

Configuration DIP Switch

SW2

OLED Screen Header

JP3

Supply Protection

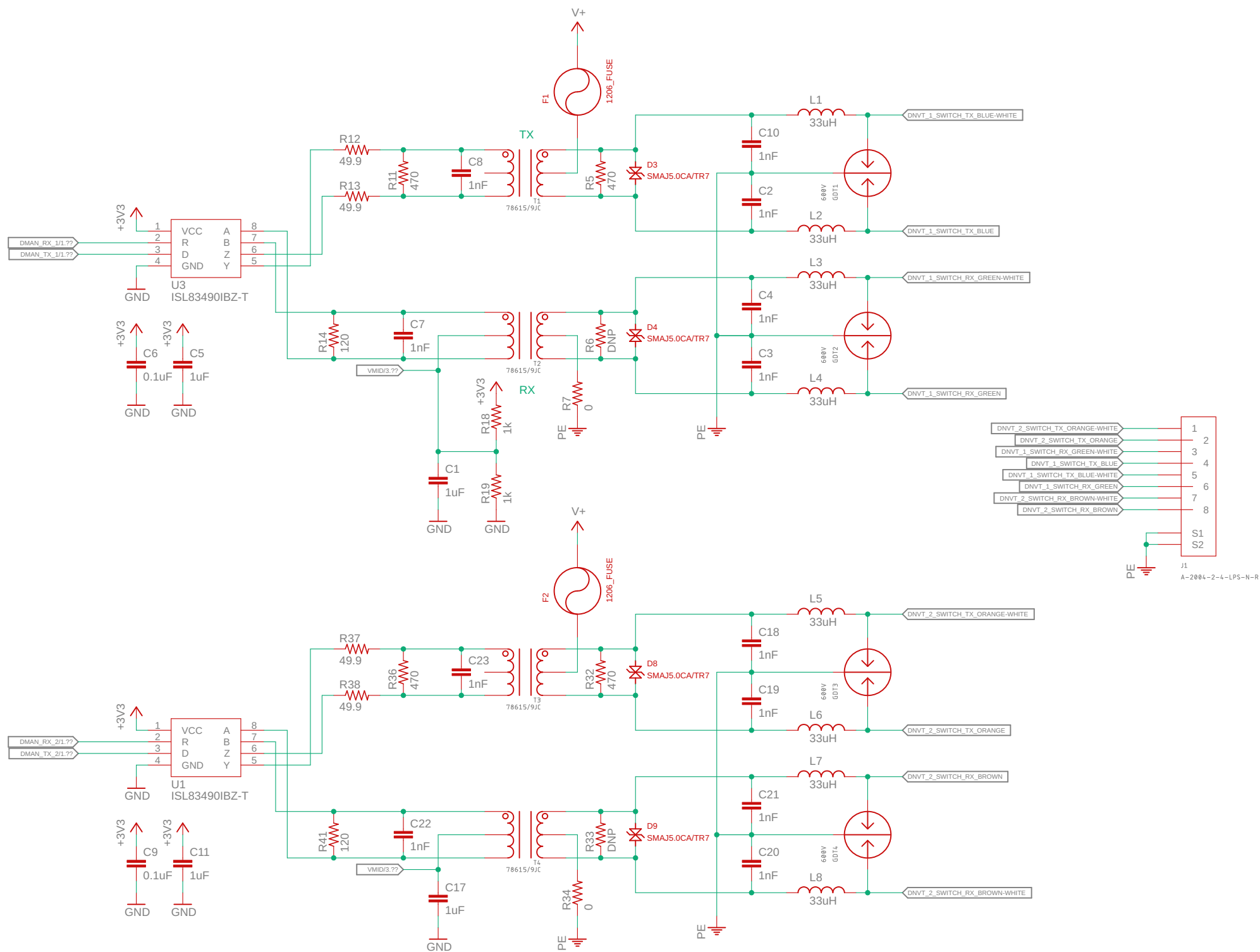## 48V DC Barrel Jack

J4
G-1005B

6-32 Screw Grounding Leg
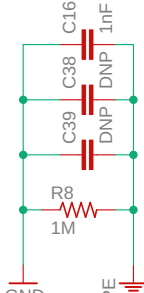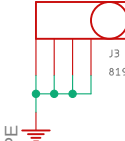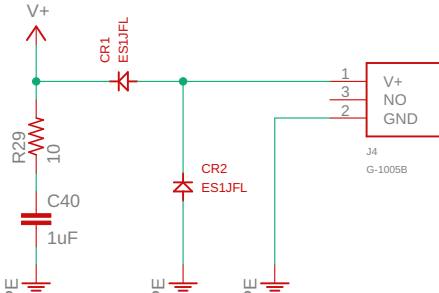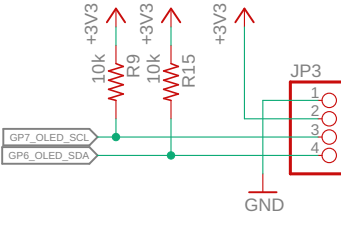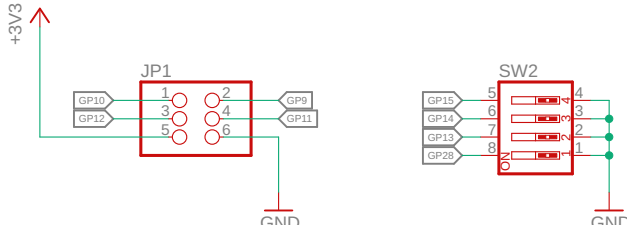
J3
8190

Ground Couping

Raspberry Pi Pico 4 Port DNVT (Digital Non-secure Voice Terminal) Switch

DNVT Line Interface
Phones 1&2

Raspberry Pi Pico 4 Port DNVT (Digital Non-secure Voice Terminal) Switch

DNVT Line Interface
Phones 3&4