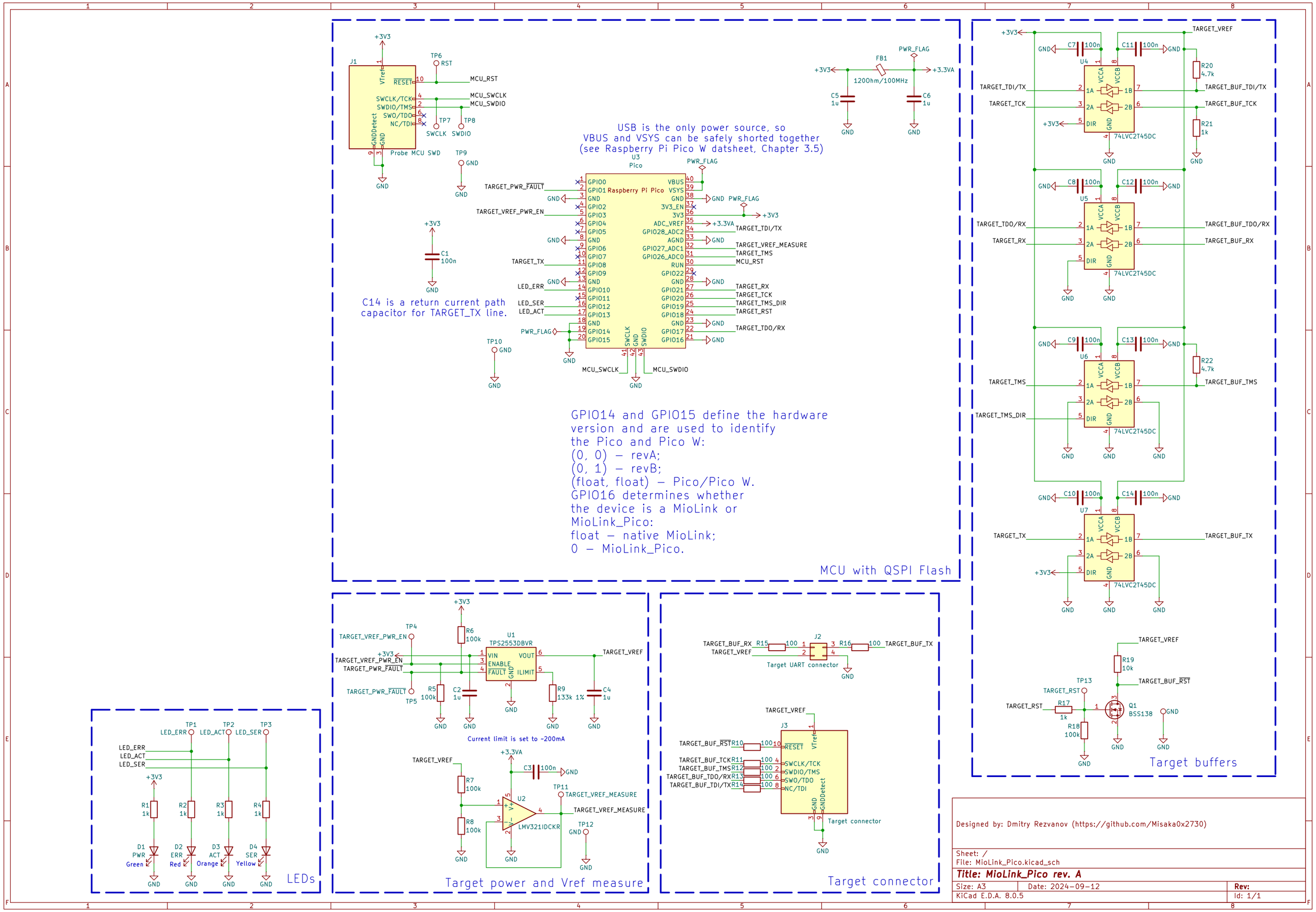
MCU with QSPI Flash
USB is the only power source, so
VBUS and VSYS can be safely shorted together
(see Raspberry Pi Pico W datsheet, Chapter 3.5)
C14 is a return current path
capacitor for TARGET_TX line.
GPIO14 and GPIO15 define the hardware
version and are used to identify
the Pico and Pico W:
(0, 0) – revA;
(0, 1) – revB;
(float, float) – Pico/Pico W.
GPIO16 determines whether
the device is a MioLink or
MioLink_Pico:
float – native MioLink;
0 – MioLink_Pico.
Raspberry Pi Pico
Probe MCU SWD
Target buffers
Target UART connector
Target connector
Target power and Vref measure
Current limit is set to ~200mA
LEDs
Designed by: Dmitry Rezvanov (https://github.com/Misaka0x2730)
Sheet: /
File: MioLink_Pico.kicad_sch
Title: MioLink_Pico rev. A
Size: A3
Date: 2024-09-12
Rev:
KiCad E.D.A. 8.0.5
Id: 1/1