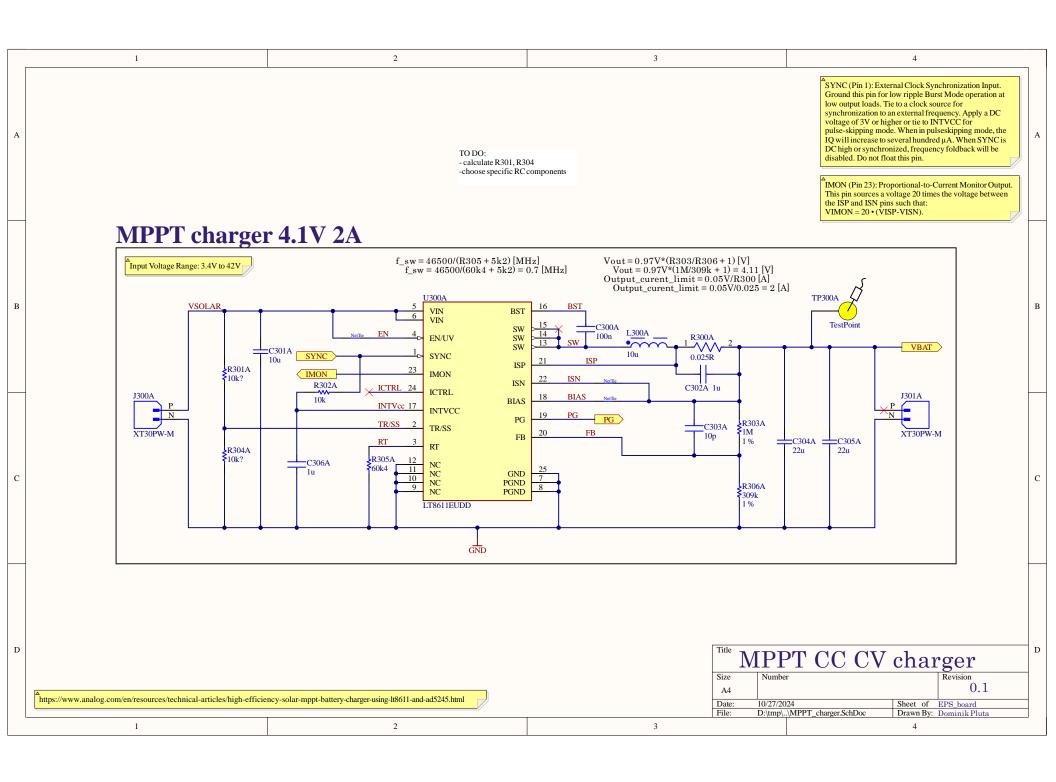


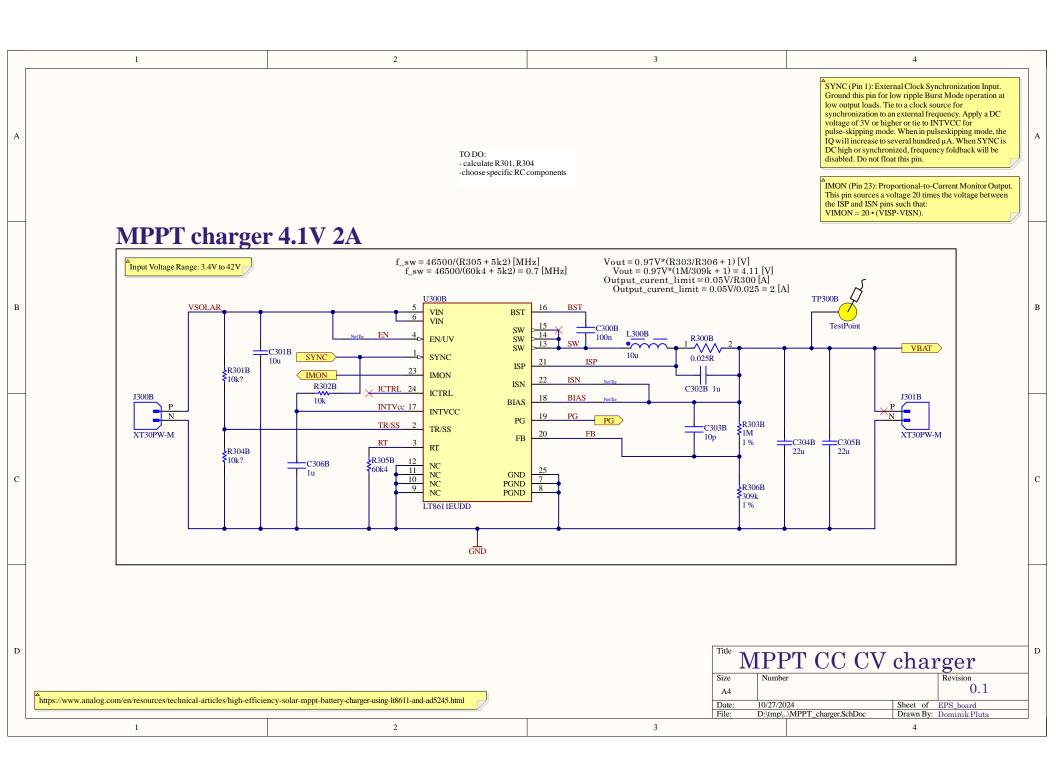
uC power supply Voltage divider VBAT2 L200 R200 VDD VDD 100n 100n 100n 4u7 100n VDDA VSSA R203 33k STM32F405RGT6 GND uC **Reset & user buttons** PA0-WKUP(PA0) R204 10k R205 PB2-BOOT1(PB2) PB3(JTDO/TRACESWO) R208 USER\_BUTTON\_0 PB4(NJTRST) SW200 SW201 SW202 \_C207 100n 100n 100n PA12 PA13(JTMS-SWDIO) PA14(JTCK-SWCLK) PA15(JTDI) GND GND GND **Programming connector** PH0-OSC\_IN(PH0) 5V\_STLINK 3,3V\_STLINK BOOT0 31 VCAP\_1 47 VCAP\_2 VCAP\_1 VCAP\_2 -C212 C213 GND STM32F405RGT6 C210 = C211 = (CL-4pF) \* 2

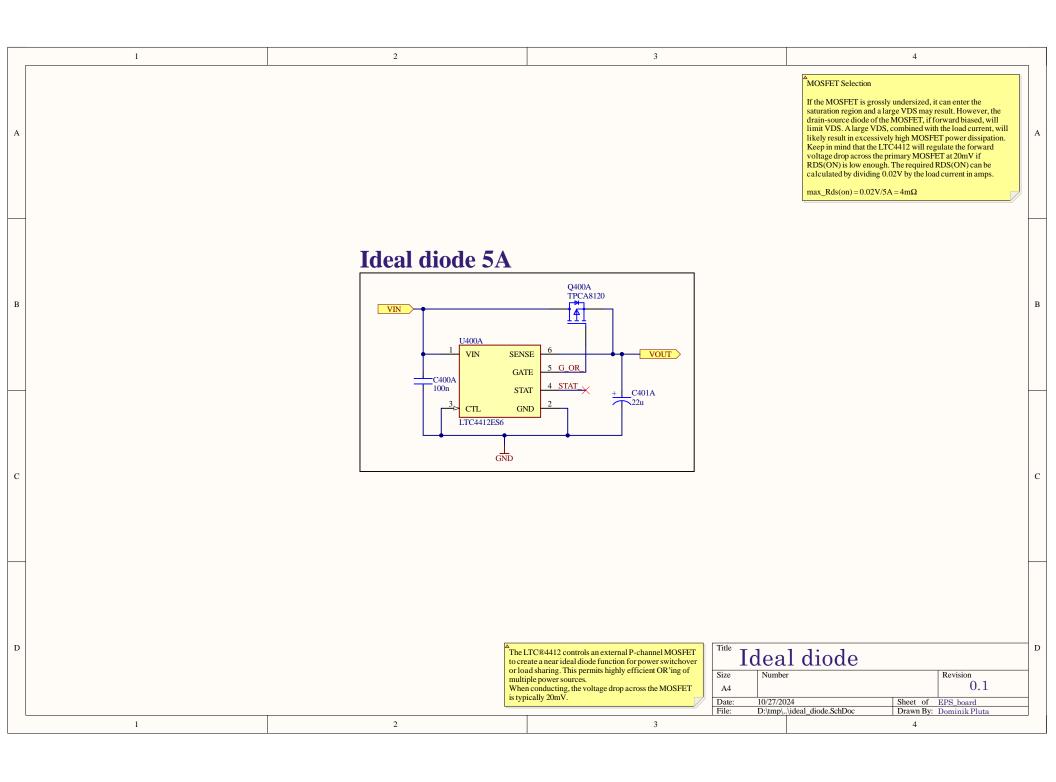
Microcontroller

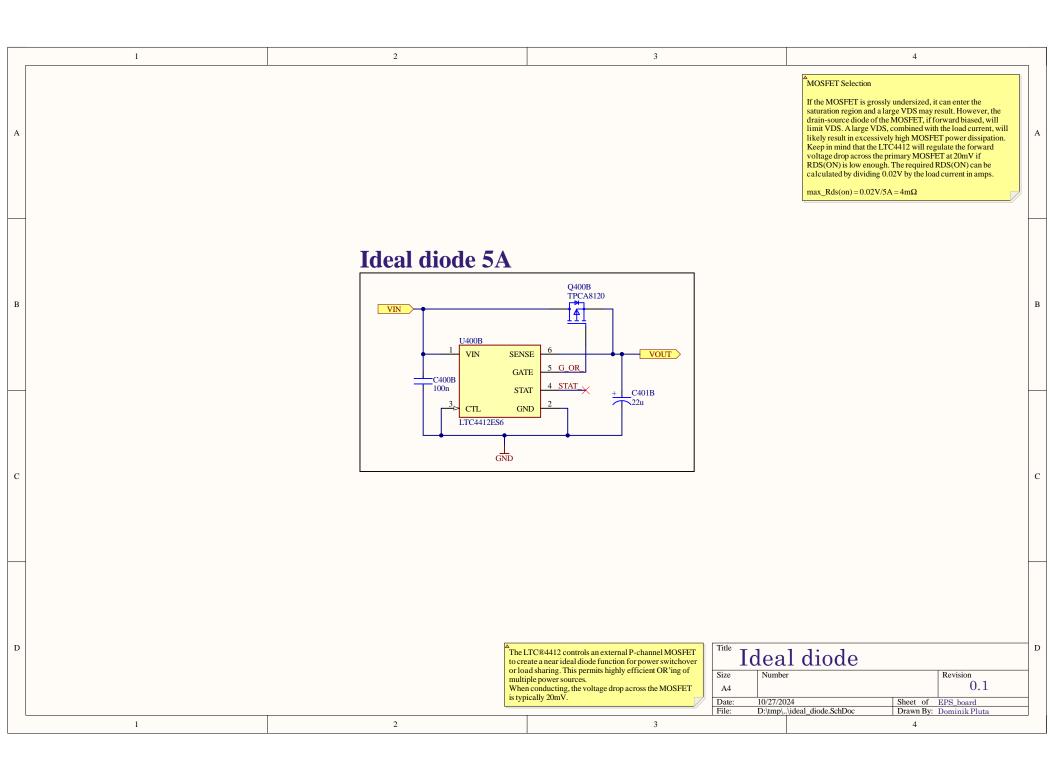
10/27/2024 Sheet of EPS\_board
D:\tmp\CubeSat-EPS\pcb\uC.SchDoc Drawn By: Dominik Plu

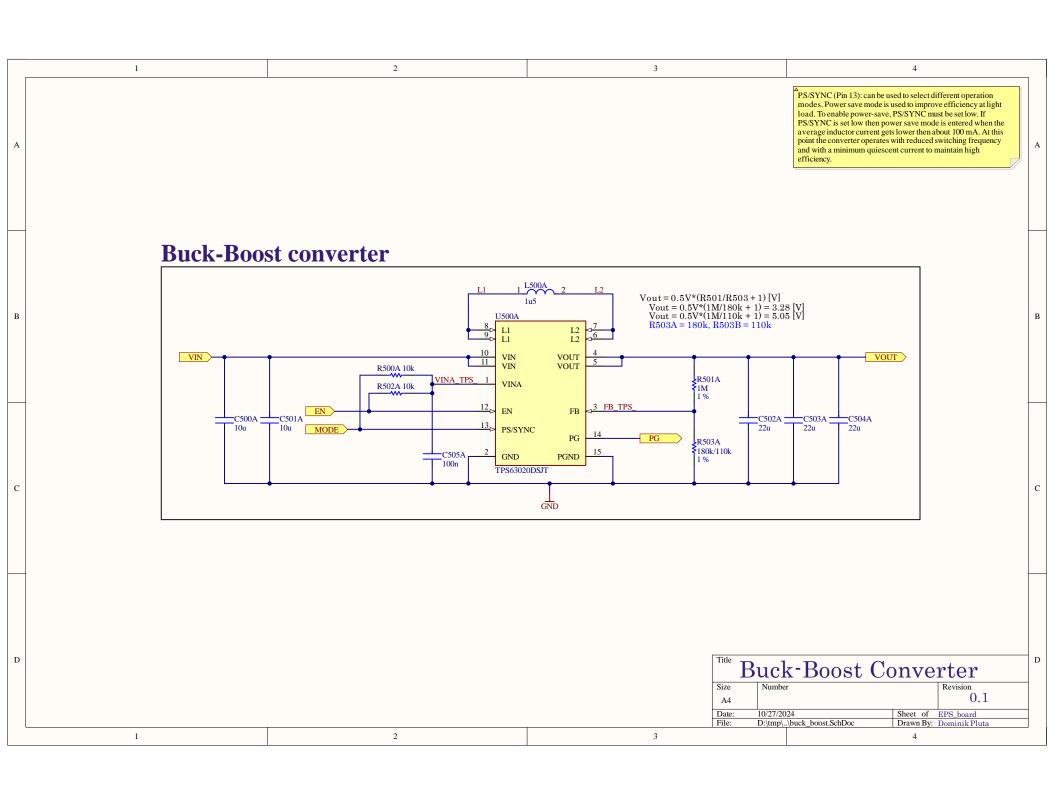
0.1

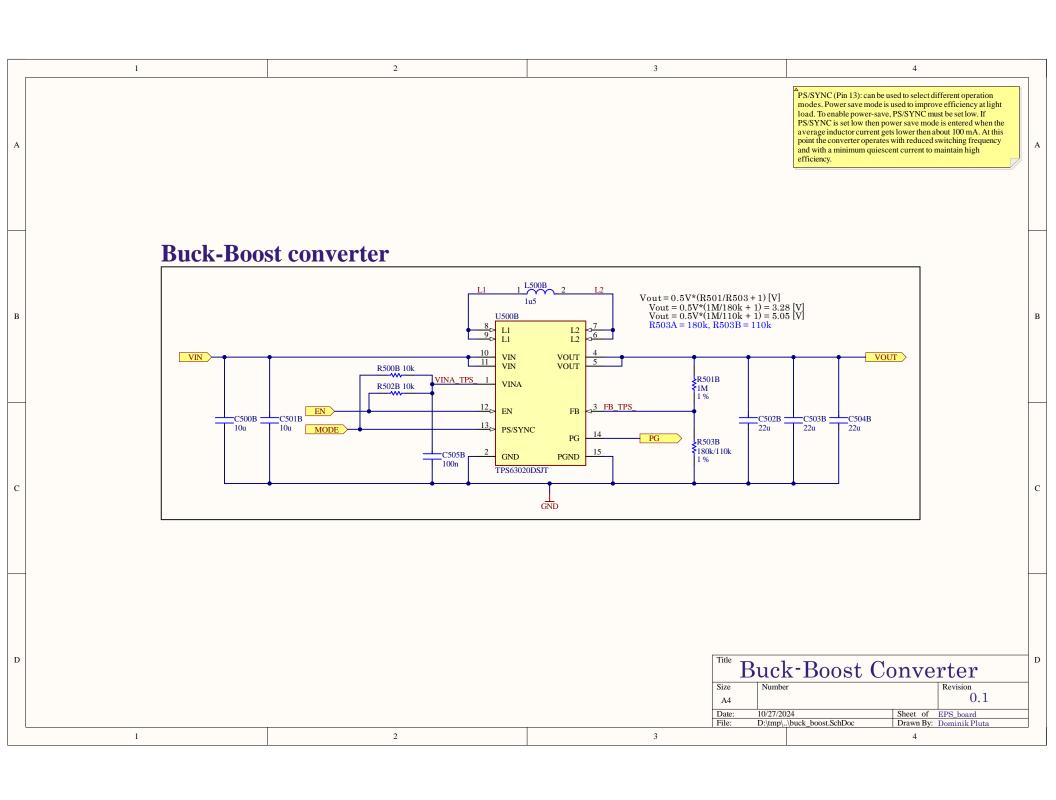


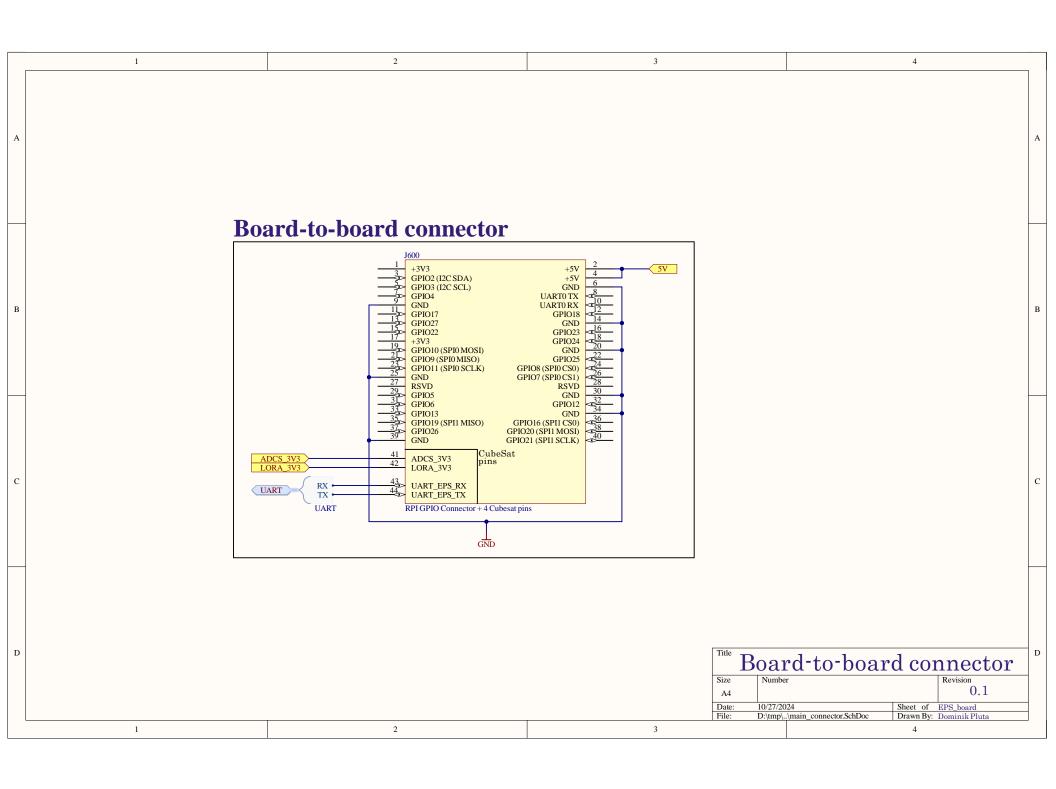


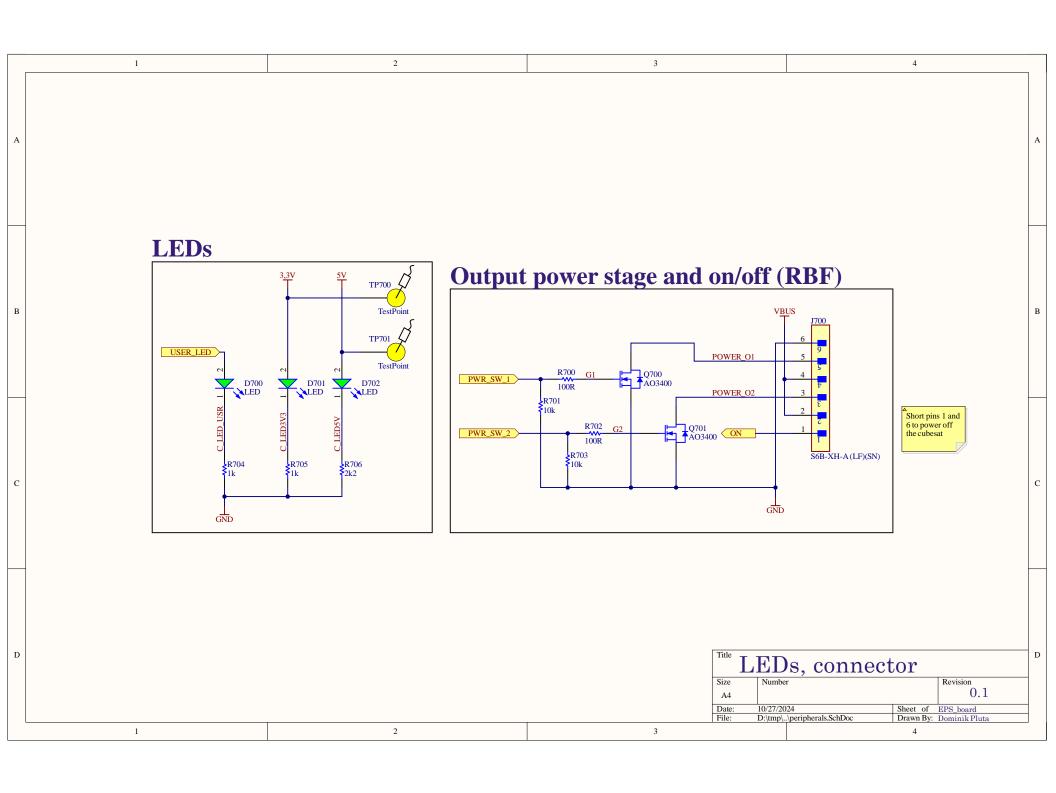


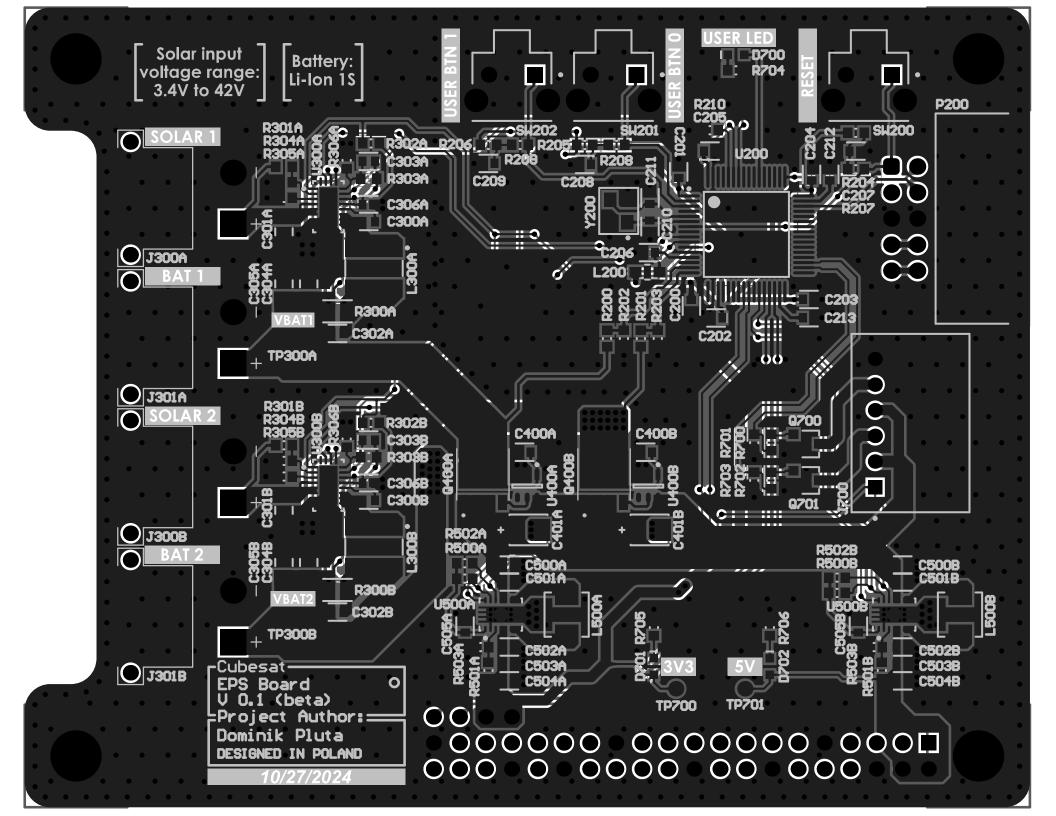












## Board Stack Report