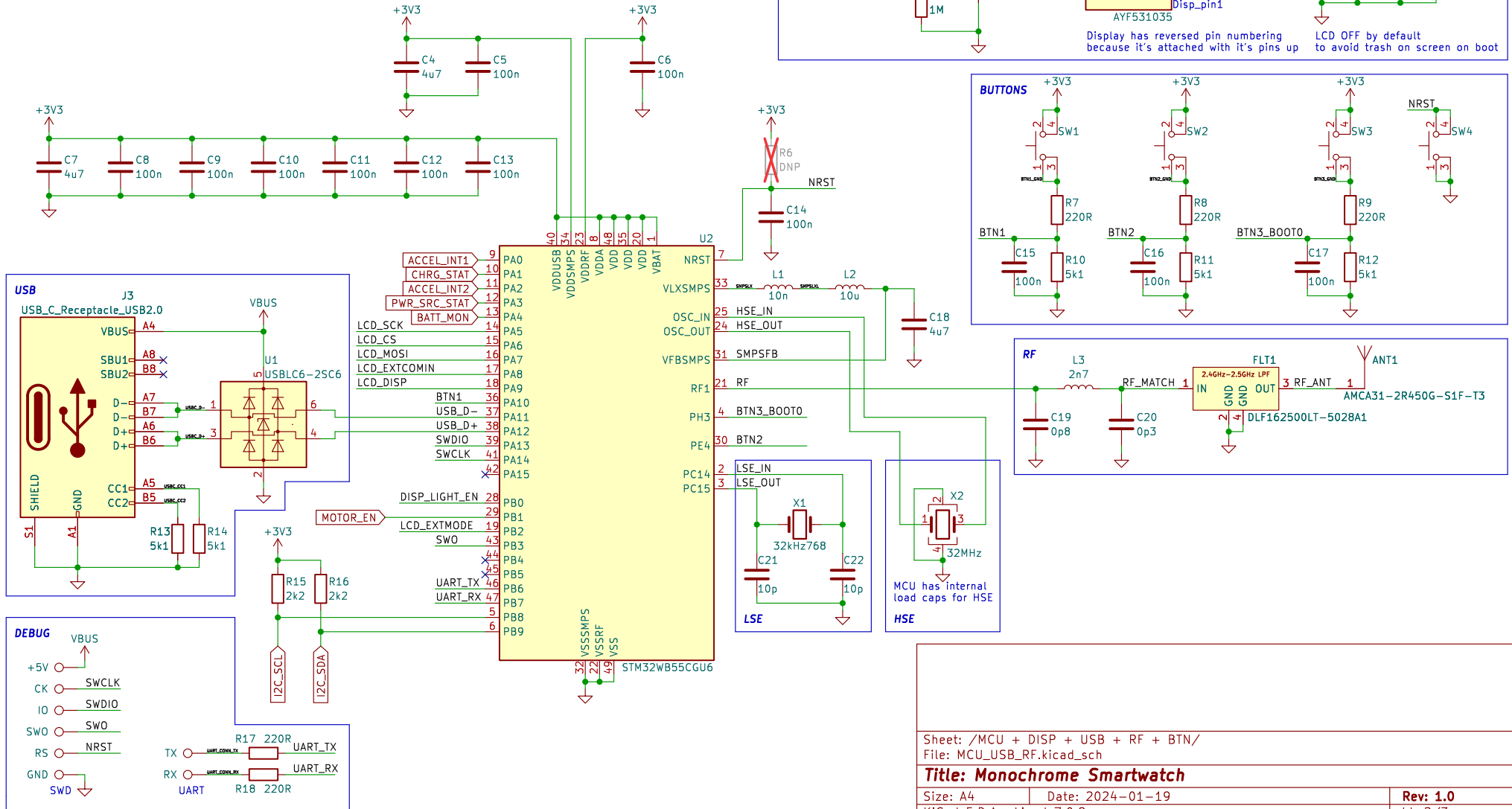


Monochrome Smartwatch

MCU + DISP + USB + RF + BTN
(1/2)



Sheet: /MCU + DISP + USB + RF + BTN/
File: MCU_USB_RF.kicad_sch

Title: Monochrome Smartwatch

Size: A4 Date: 2024-01-19

KiCad E.D.A. kicad 7.0.9

Rev: 1.0

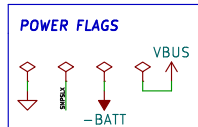
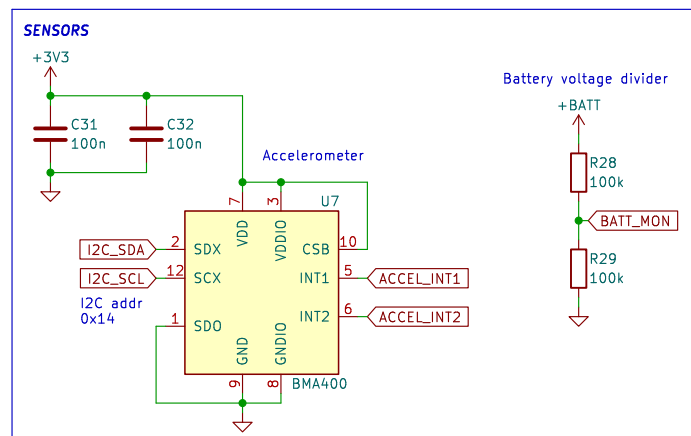
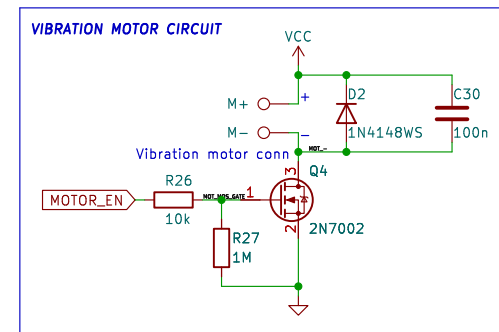
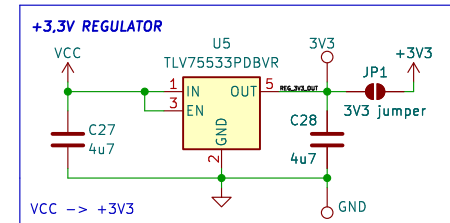
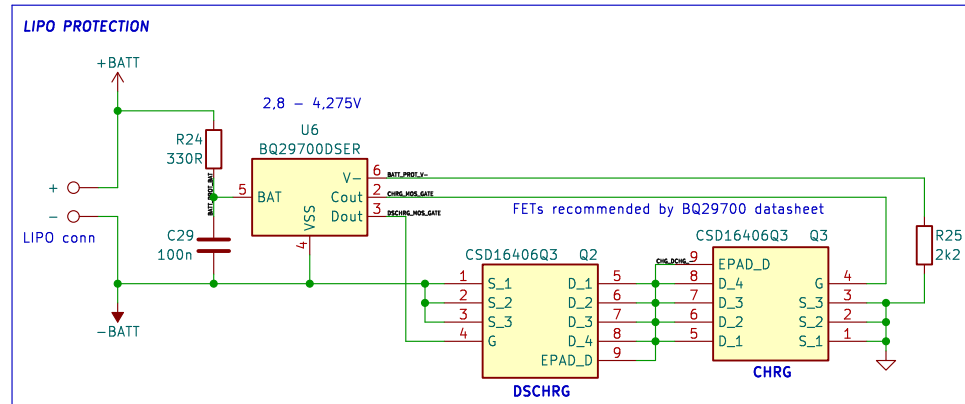
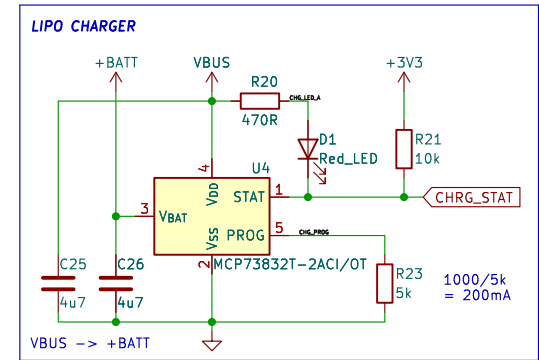
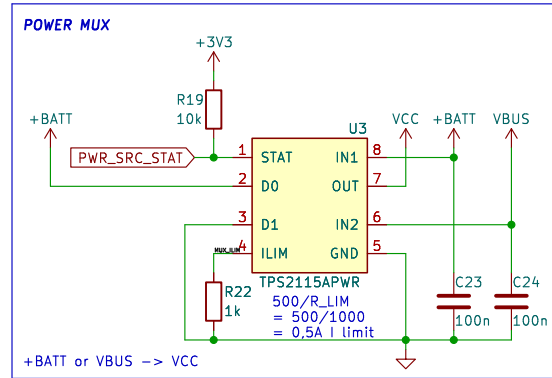
Id: 2/3

Monochrome Smartwatch

POWER + SENSORS + MOTOR (2/2)

+3V3 = +3.3V (or lower if VCC is lower than about +3.5V)
VBUS = +4.5V - +5.5V (USB or SWD)
VCC = +2.8V - +5.5V (BATT, USB or SWD)
+BAT = Positive battery terminal
-BAT = Negative battery terminal

Power flow:
Discharge while not charging: +BATT -> VCC -> +3V3
Discharge while charging: VBUS -> VCC -> +3V3
Charge: VBUS -> +BATT



| | |
|----------------------------------|------------------|
| Sheet: /POWER + SENSORS + MOTOR/ | |
| File: POWER_SENSORS.kicad_sch | |
| Title: Monochrome Smartwatch | |
| Size: A4 | Date: 2024-01-19 |
| KiCad E.D.A. kicad 7.0.9 | Rev: 1.0 |
| | Id: 3/3 |