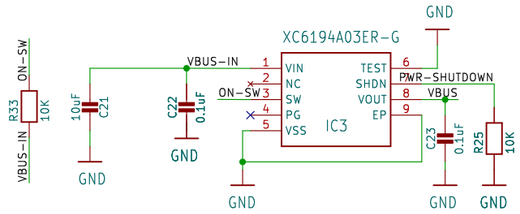
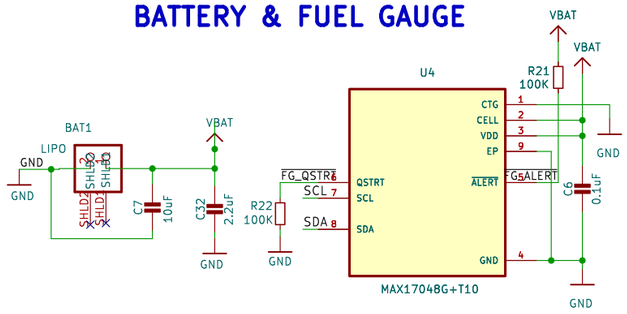
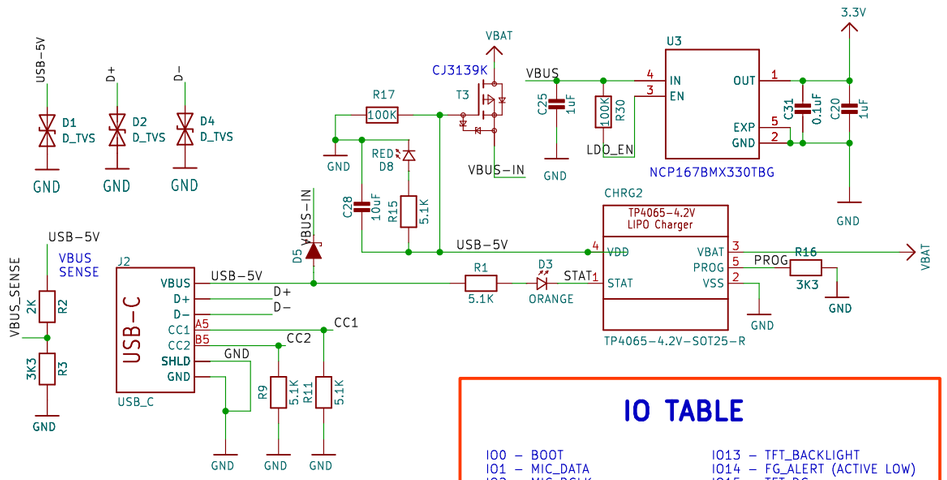
POWER SWITCH



BATTERY & FUEL GAUGE



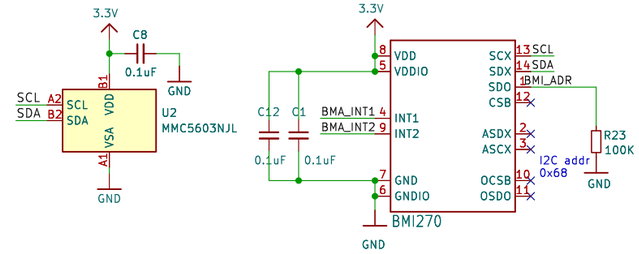
USB, POWER PATHS, CHARGING AND FILTERING



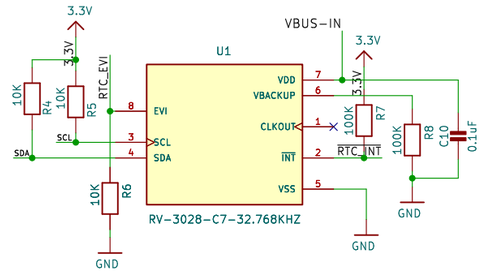
IO TABLE

IO0 – BOOT	IO13 – TFT_BACKLIGHT
IO1 – MIC_DATA	IO14 – FG_ALERT (ACTIVE LOW)
IO2 – MIC_BCLK	IO15 – TFT_DC
IO3 – MIC_WS	IO16 – TFT_CS
IO4 – RTC_INT (ACTIVE LOW)	IO17 – TFT_RESET
IO5 – I2C2 – SDA (TOUCH)	IO18 – BUZZER
IO6 – BMI270_INT1	IO21 – PWR-SHUTDOWN
IO7 – BMI270_INT2	IO34 – VBUS_SENSE
IO8 – I2C – SDA	IO35 – SPI_MOSI
IO9 – I2C – SCL	IO36 – SPI_SCK
IO10 – I2C2 – SCL (TOUCH)	IO37 – SPI_MISO
IO11 – TOUCH_INT	IO41 – HAPTIC_EN
IO12 – TOUCH_RESET	IO42 – HAPTIC INT

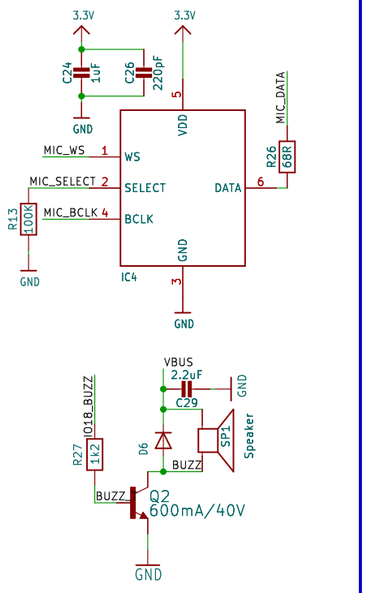
IMU + MAGNETOMETER



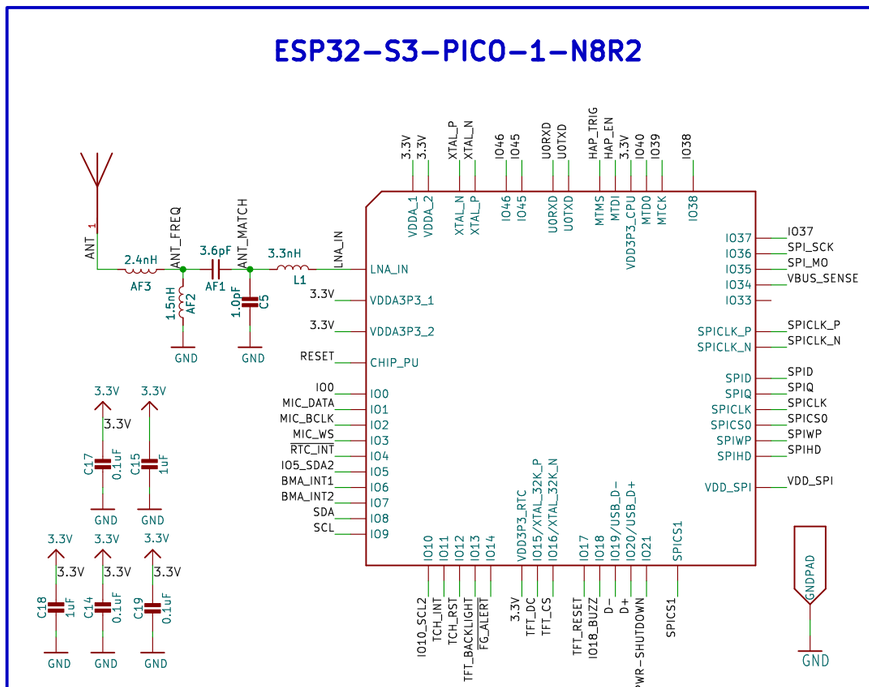
RTC



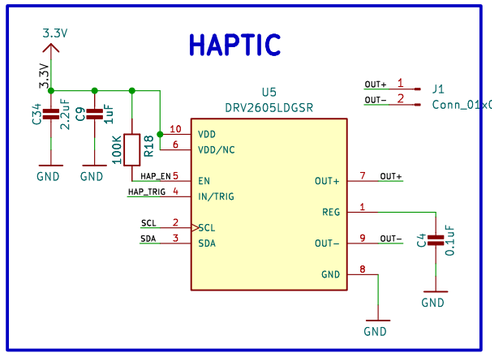
AUDIO



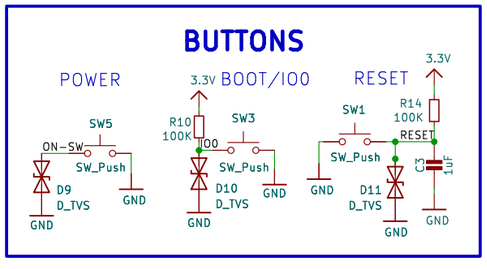
ESP32-S3-PICO-1-N8R2



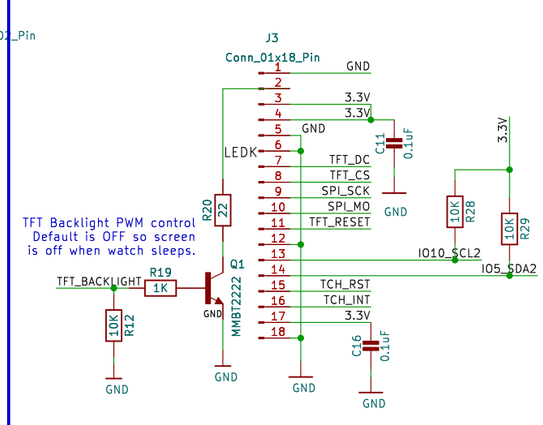
HAPTIC



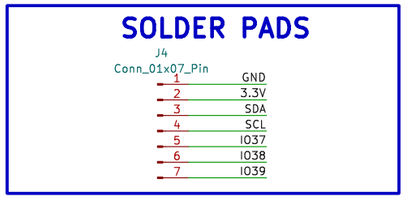
BUTTONS



SCREEN + TOUCH



SOLDER PADS



TinyWATCH S3

Unexpected Maker

Sheet: /
File: TinyWatch_S3_P10.kicad_sch

Title: TinyWATCH S3

Size: A3	Date: 2025-03-12	**Rev: P10**
KiCad E.D.A. 8.0.9		Id: 1/1