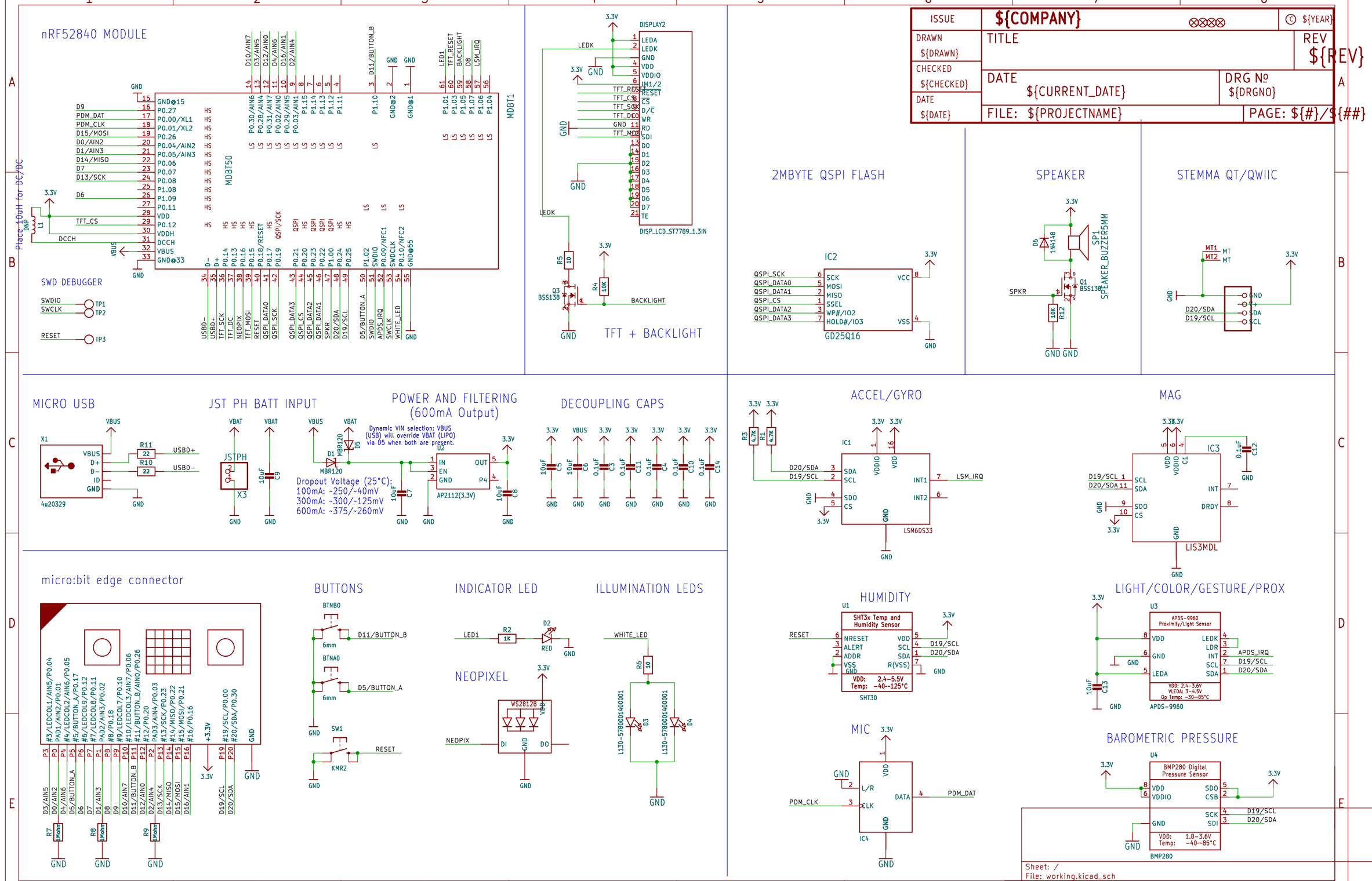
nRF52840 MODULE
MDBT50
MDBT1
Place 10uH for DC/DC
SWD DEBUGGER
SWDIO
SWCLK
RESET
TFT + BACKLIGHT
DISPLAY2
DISP_LCD_ST7789_1.3IN
2MBYTE QSPI FLASH
IC2
GD25Q16
SPEAKER
SP1
SPEAKER_BUZZER5MM
STEMMA QT/QWIIC
MICRO USB
JST PH BATT INPUT
POWER AND FILTERING
(600mA Output)
Dynamic VIN selection: VBUS (USB) will override VBAT (LIPO) via D5 when both are present.
Dropout Voltage (25°C):
100mA: ~250/~40mV
300mA: ~300/~125mV
600mA: ~375/~260mV
AP2112(3.3V)
DECOUPLING CAPS
ACCEL/GYRO
IC1
LSM6DS33
MAG
IC3
LIS3MDL
micro:bit edge connector
BUTTONS
INDICATOR LED
ILLUMINATION LEDS
NEOPIXEL
WS2812B
HUMIDITY
SHT3x Temp and Humidity Sensor
SHT30
MIC
LIGHT/COLOR/GESTURE/PROX
APDS-9960 Proximity/Light Sensor
BAROMETRIC PRESSURE
BMP280 Digital Pressure Sensor
BMP280
ISSUE
${COMPANY}
© ${YEAR}
DRAWN
${DRAWN}
CHECKED
${CHECKED}
DATE
${DATE}
TITLE
REV
${REV}
DATE
${CURRENT_DATE}
DRG Nº
${DRGNO}
FILE: ${PROJECTNAME}
PAGE: ${#}/${##}
Sheet: /
File: working.kicad_sch
Title:
Size: User
Date:
Rev:
KiCad E.D.A. eeschema 7.0.6
Id: 1/1