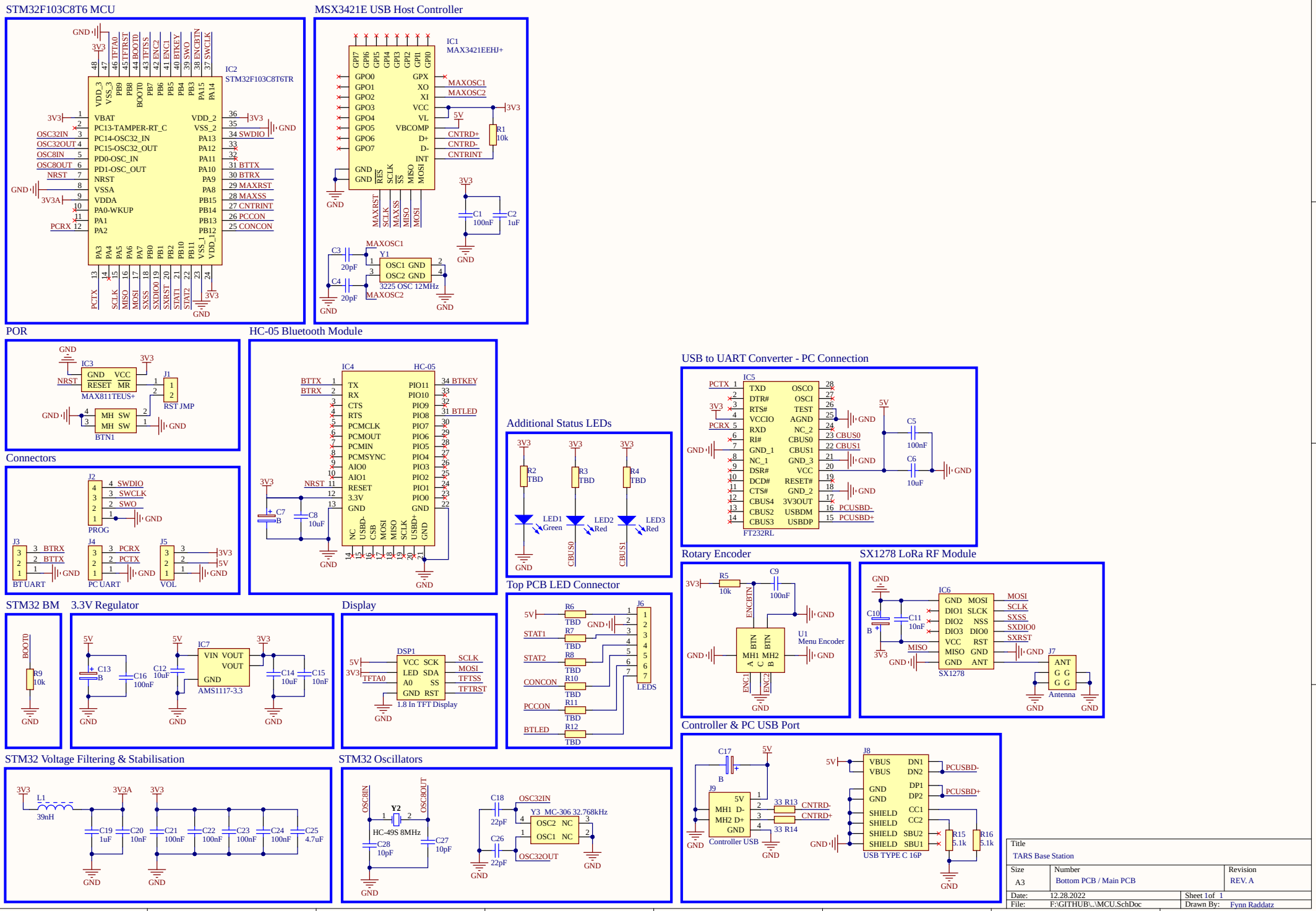
STM32F103C8T6 MCU
IC2
STM32F103C8T6TR
MSX3421E USB Host Controller
IC1
MAX3421EEHJ+
POR
IC3
MAX811TEUS+
RST JMP
BTN1
HC-05 Bluetooth Module
IC4
HC-05
Connectors
PROG
BT UART
PC UART
VOL
Additional Status LEDs
LED1 Green
LED2 Red
LED3 Red
USB to UART Converter - PC Connection
IC5
FT232RL
Top PCB LED Connector
LEDS
Rotary Encoder
U1 Menu Encoder
SX1278 LoRa RF Module
IC6
SX1278
Antenna
STM32 BM
3.3V Regulator
IC7
AMS1117-3.3
Display
DSP1
1.8 In TFT Display
Controller & PC USB Port
Controller USB
USB TYPE C 16P
STM32 Voltage Filtering & Stabilisation
STM32 Oscillators
Y3 MC-306 32.768kHz
HC-49S 8MHz
Title
TARS Base Station
Size
A3
Number
Bottom PCB / Main PCB
Revision
REV. A
Date:
12.28.2022
Sheet 1of 1
File:
F:\GITHUB\..\MCU.SchDoc
Drawn By:
Fynn Raddatz