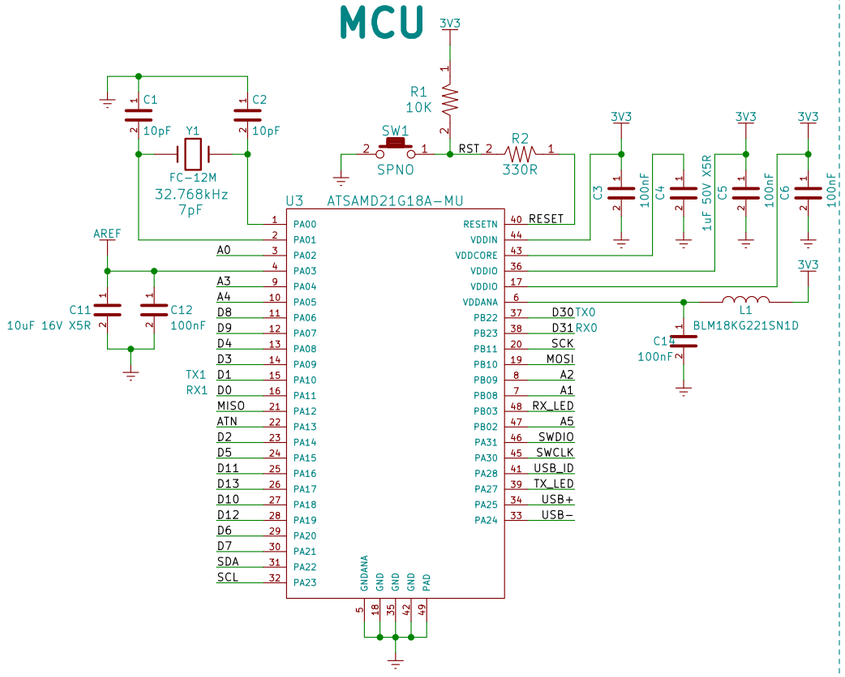
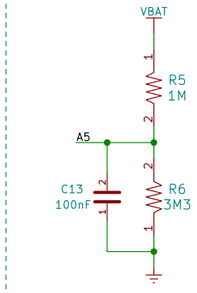
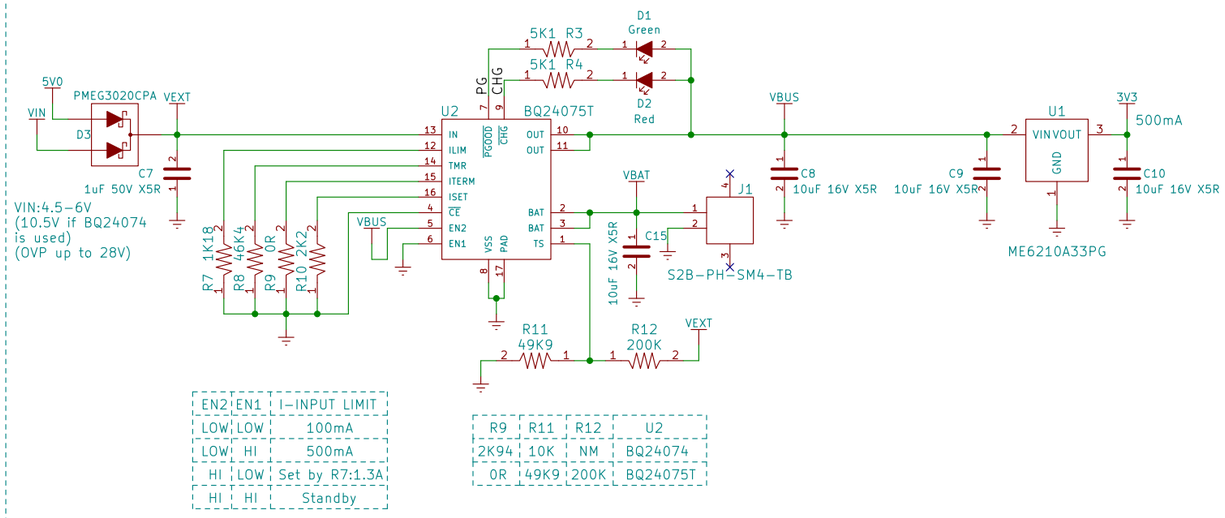
MCU



BATTERY MONITORING



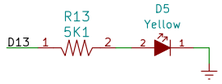
POWER MANAGEMENT



EN2	EN1	I-INPUT LIMIT
LOW	LOW	100mA
LOW	HI	500mA
HI	LOW	Set by R7:1.3A
HI	HI	Standby

R9	R11	R12	U2
2K94	10K	NM	BQ24074
0R	49K9	200K	BQ24075T

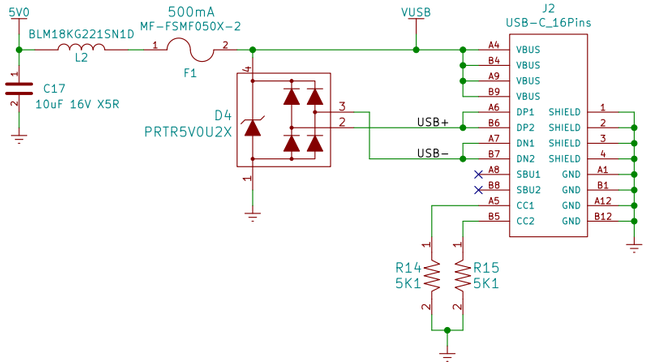
LED



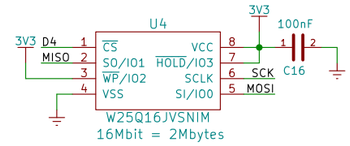
MOUNTING

FIDUCIALS

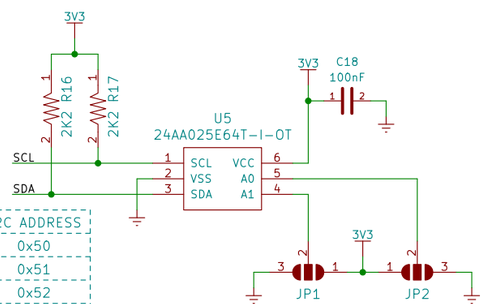
USB-DEVICE



SERIAL FLASH

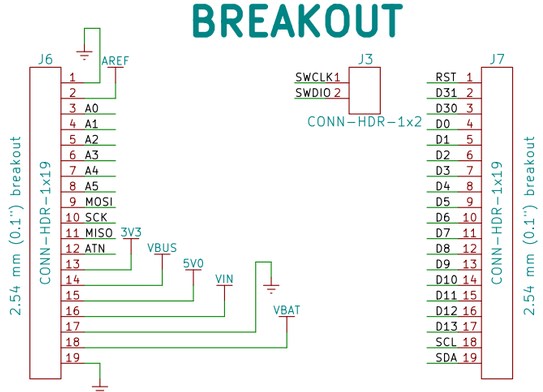


EUI-64 MAC ID



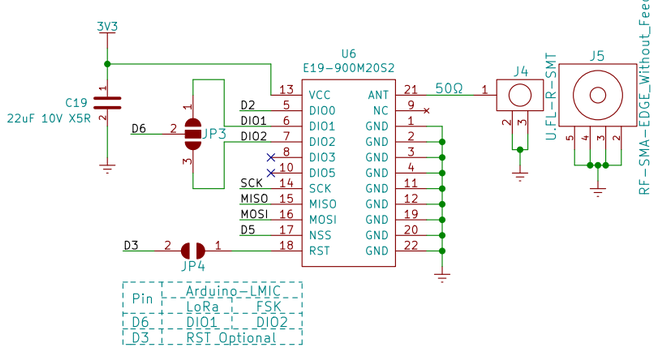
A0	A1	I2C ADDRESS
GND	GND	0x50
3V3	GND	0x51
GND	3V3	0x52
3V3	3V3	0x53

BREAKOUT



LOGO

E19-900M20S2



Pin	Arduino-LMIC LoRa	FSK
D6	DIO1	DIO2
D3	RST Optional	

NOTES

1. All capacitors are NP0/C0G 50V unless specified.
2. All resistors are 62.5mW 1% unless specified.
3. Close JP1 & JP2 to run LMIC stack.

Title: Mini Ultra Pro	
Rev: 4.00	
Rocket Scream Electronics	
Date: 2022-06-18	
File: MINI-ULTRA-PRO.kicad_sch	
Size: A3	
KiCad E.D.A. kicad 6.0.6-3a73a75311-116-ubuntu20.04.1	Id: 1/1