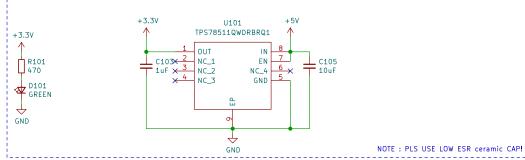
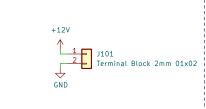
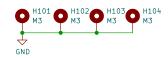
## (1) Power

### Linear Regulator : 5 V to 3.3 V

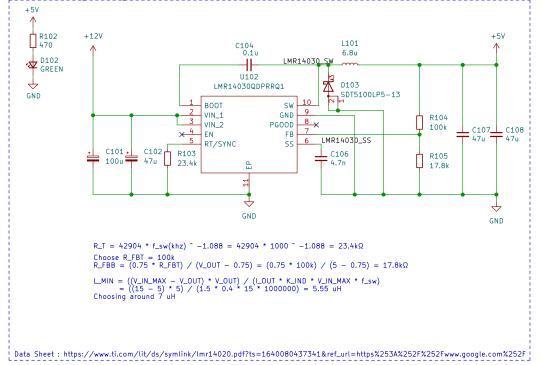


### Secondary Power Input





#### Switching Regulator: 12 V to 5 V



Other System	Microcontroller		Memory and Sensor
D1_DIRC D1_SPEEDC D1_BREAKC D1_DRVOFFC D2_DIRC	>D1_DIR >D1_SPEED >D1_BREAK >D1_DRVOFF	SDIO_CLKC SDIO_CMDC SDIO_DOC SDIO_D1C SDIO_D2C SDIO_D3C	>SDIO_CLK >SDIO_CMD >SDIO_DO >SDIO_D1 >SDIO_D2 >SDIO_D3
D2_SPEEDC ALERT_INA238_1C ALERT_INA238_2C	D2_SPEED  >ALERT_INA238_1  >ALERT_INA238_2	FRAM_CSC FRAM_MISOC	>FRAM_CS >FRAM MISO
ADC_Sense1C ADC_Sense2C	DADC_Sense1 DADC_Sense2	FRAM_MOSIC FRAM_SCKC FRAM_WPC FRAM_HOLDC	DFRAM_MOSI DFRAM_SCK DFRAM_WP DFRAM_HOLD
SCL1C SDA1C	DI2C1_SCL DI2C1_SDA		
SDA2< SCL2<	DI2C2_SDA DI2C2_SCL		TEMP_SDA
SDA4C SCL4C	>SDA4 >SCL4		File: Memory.kicad_s
ile: OtherSys.kicad_sch	File: MCU.kicad_sch		

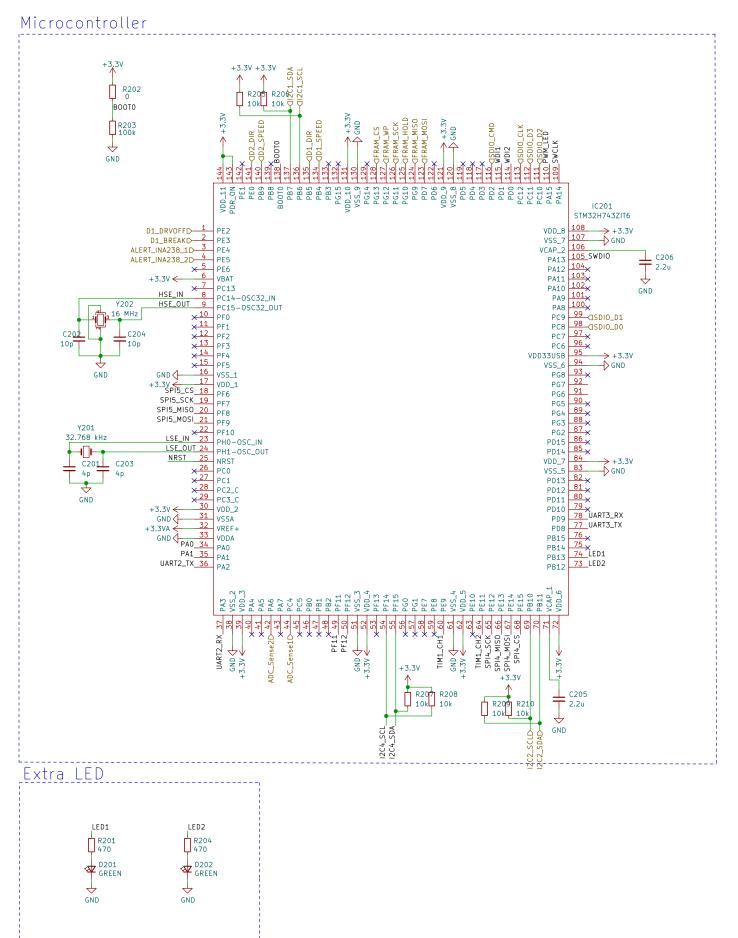
FIBO
Sheet: /
File: CubeSat Thesis MCU V2.kicad\_sch
Title: Power

 Title: Power

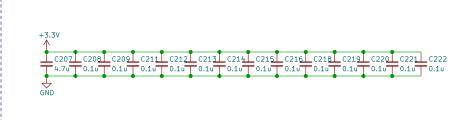
 Size: A4
 Date: 2021–12–27
 Rev: REV1

 KiCad E.D.A. kicad (6.0.0)
 Id: 1/4

## (2) Microcontroller and Pheripheral

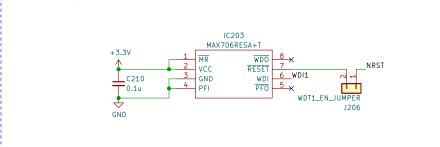








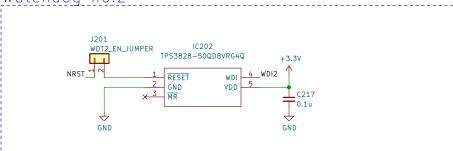
Watchdog no.1



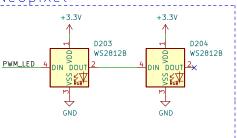




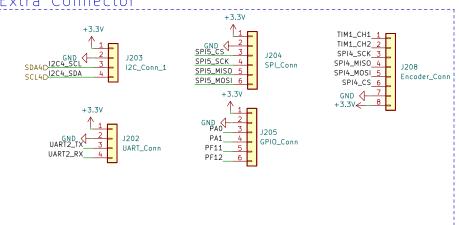
Watchdog no.2



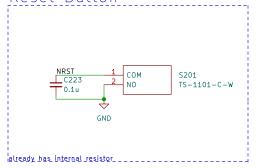
Neopixel



Extra Connector



Reset Button



PAO, PA1 can be pwm output

FIBO

Sheet: /Microcontroller/
File: MCU.kicad\_sch

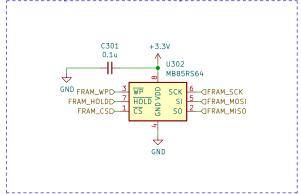
Title: Power

Size: A3 Date: Rev: REV1

KiCad E.D.A. kicad (6.0.0) Id: 2/4

# (3) Memory and Sensor

FRAM (SPI Interface)



Temperature Sensor (I2C)

