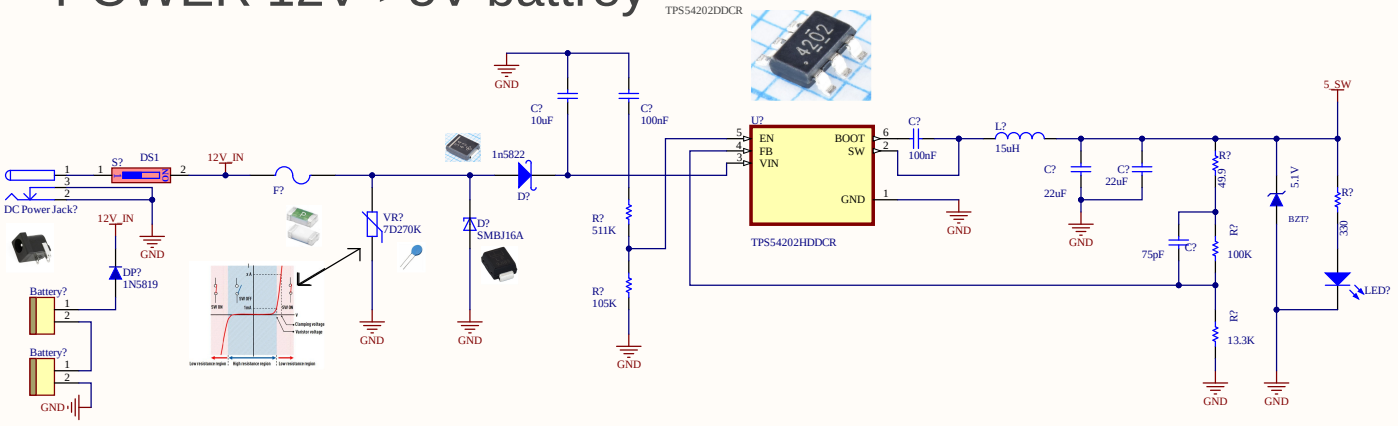
POWER

POWER 12V->5V battrey



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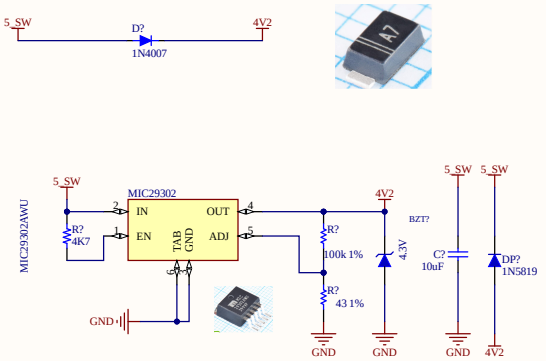
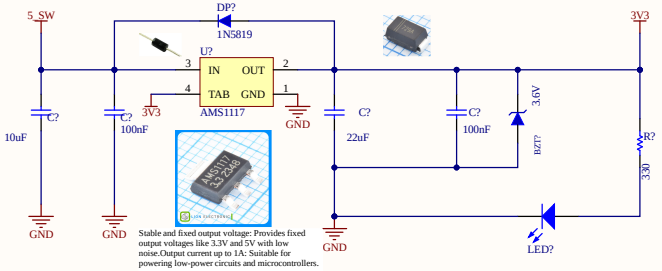


POWER 5V->3V3



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MCU STM32F103C8T6

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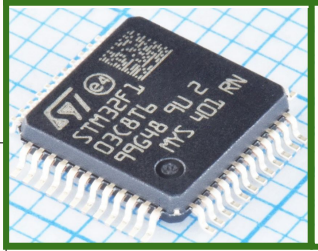

PROGRAM

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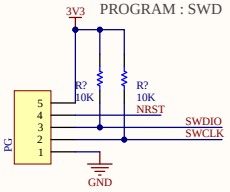
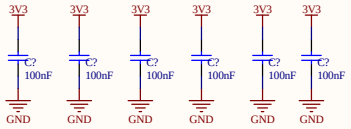


ByPass Cap

The shortest distance to micro



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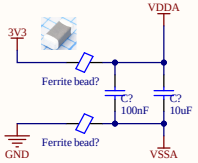
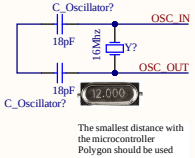
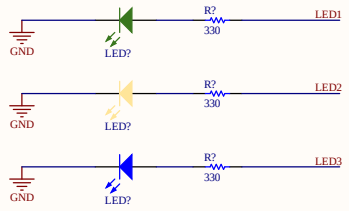
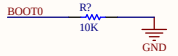


Oscillator

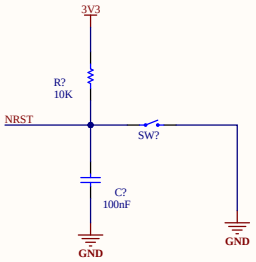


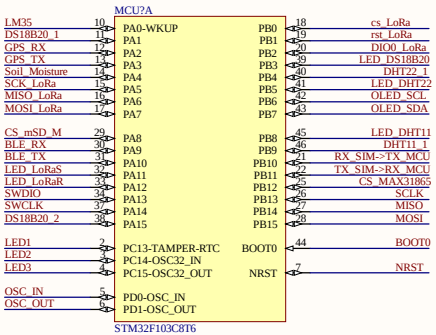


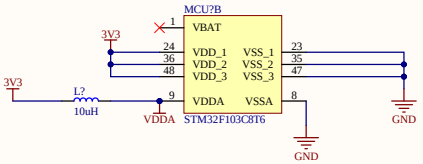
BOOT



Rest







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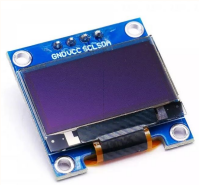
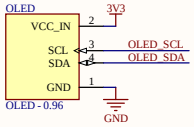
Output

OLED

SSD1306

Protocol : I2C

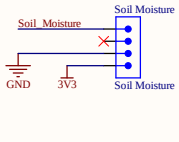


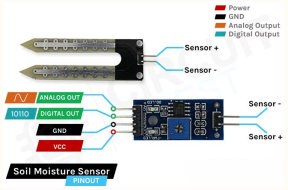


Soil Moisture

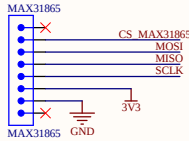
ADC

Temperature sensor



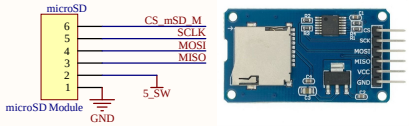


MAX31865



SD CARD

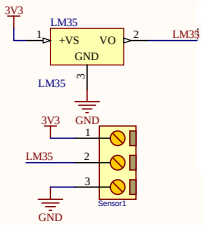
microSD Module



LM35

ADC

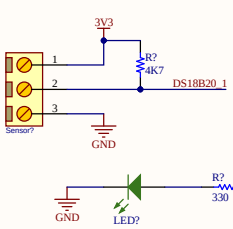
Temperature sensor



DS18B20

OneWire

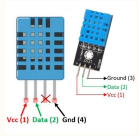
Temperature sensor

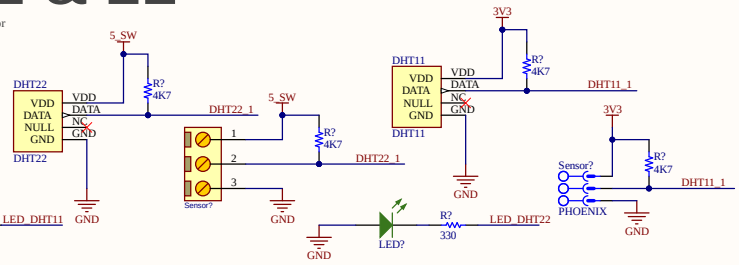


DHT11 & 22

OneWire

Temperature and humidity sensor





Output & UI

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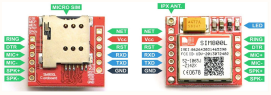
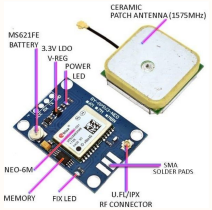
SIM800L

Protocol : UART



GPS NEO 6M

Protocol : UART



Bluetooth

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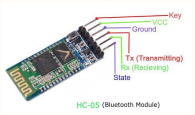

LoRa -RA-02

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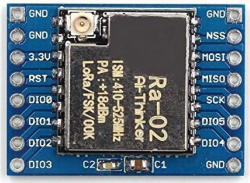

Comm Chip

Arshia Madadi

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Board Stack Report