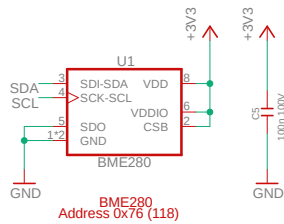


BME280

Humidity sensor measuring relative humidity, barometric pressure and ambient temperature.

Current 3.6 uA



Pressure / Humidity / Temperature Sensor

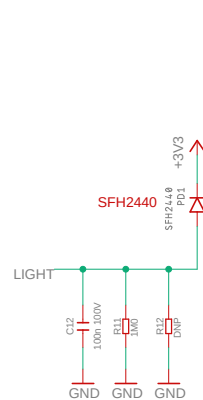
SFH 2440

Ambient light sensor.

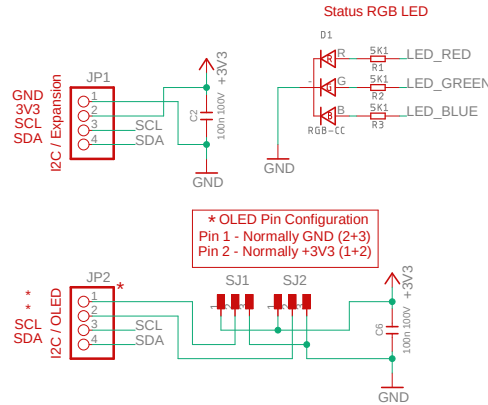
Spectral sensitivity adapted to human eye sensitivity

Current = $\geq 7.20 \mu A$.

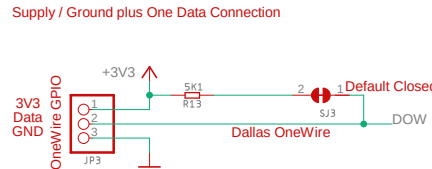
Exposure Value 1000 lx



Light Sensor



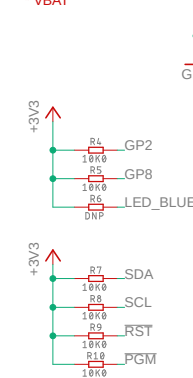
Display | Status LED | I2C Interface



Dallas OneWire | GPIO Input or Output Interface

~Mandatory Boot States
GP2 High
GP8 High
GP19 High

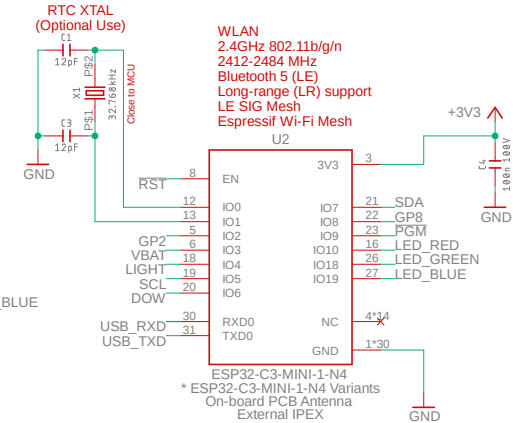
Analogue Input
Resolution 4095
* Light
* VBAT



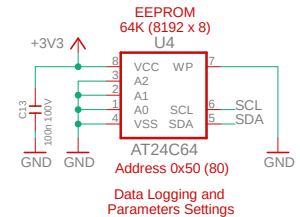
MCU | EEPROM

ESP32-C3 features include RSA-3072-based secure boot and AES-128/256-XTS-based flash encryption

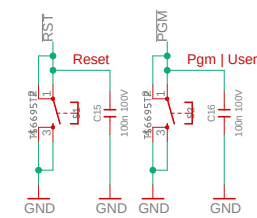
WLAN
2.4GHz 802.11b/g/n
2412-2484 MHz
Bluetooth 5 (LE)
Long-range (LR) support
LE SIG Mesh
Espressif Wi-Fi Mesh



ESP32-C3-MINI-1-N4
* ESP32-C3-MINI-1-N4 Variants
On-board PCB Antenna
External IPEX

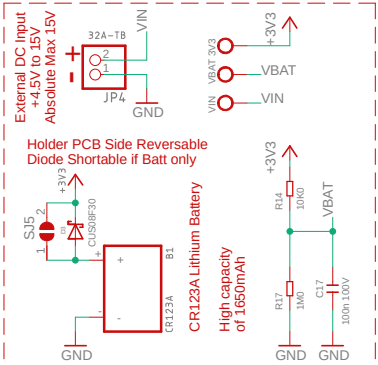


Reset
Restart the ESP32-C3 MCU
PGM | User
GP9 is used for both PGM mode and General User Button



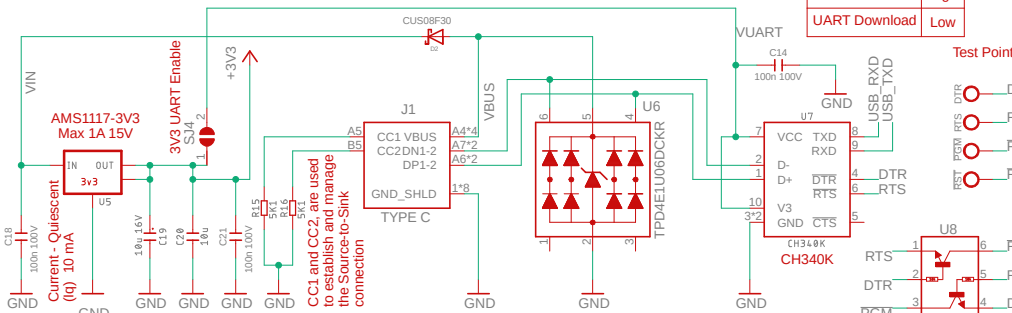
Developer Interface | Info

Typical Approximate Current Ratings			
X	Sleep	Nom	Peak
ESP32-C3	60uA	80mA	350mA
BME280	0.3uA	0.5uA	0.5uA
SCD40/41	3mA	15mA	200mA
SFH2440	2.5uA	2.5uA	2.5uA



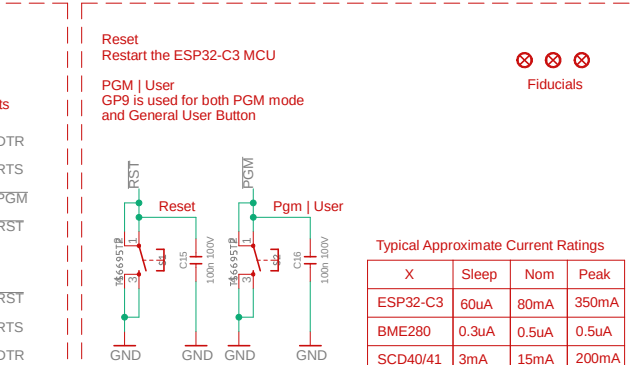
Battery | Battery Sensor | Ext DC Input

USB UART providing easy Arduino/PlatformIO Flashing ESP32-C3 DEV MODULE Compatibility



USB | PSU | UART | Monitoring | Flashing | Debug

UART Power Disable allows reduced battery current on development completion.



Developer Interface | Info