Pico Enviro+ Pack (PIM635)

SPU0410HR5H Analog MEMS microphone + amplifier

I2C Pullups

BME688 Gas, Pressure, Humidity and Temperature Sensor

LCD and Backlight
Display backlight is 3 white LEDs in parallel (FV 3.2 - 20mA).
Each channel of the AP2502 constant current driver can supply 20mA so we tie them together to provide the necessary current.

LTR-559 digital light sensor

Connection for PMS5003 PM Sensor
Current < 100mA @ 5V