Physics 398DLP airborne sensor package

Sheet 1 will contain the Adalogger and non-I2C parts.
Sheet 2 will display I2C components.

George Gollin
University of Illinois at Urbana-Champaign
2019
Sheet 1 contains the Adalogger and non-I2C parts. Sheet 2 contains I2C components.

Note: the Arduino Mega 2560 version of the datalogger is built using 5V-compatible MLX90614s. The Adalogger version must use 3V MLX90614s.

I2C device | comment | address
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BME680 | TRHP/VOHC | 0x76
DS3231 | real time clock | 0x68
LSM9DS1 | 3-axis accel/magnetometer/gyro | 0x1E
MLX90614 | IR sensor | 0x5A
TCA9548A | I2C multiplexer | 0x70
TSL2561 | Luminosity/Lux/Light sensor | 0x39 (need jumpers!)
VL53L0X | Time of Flight Distance Sensor | 0x29

Nets that span sheets 1 and 2:
3.3V, GND, I2C_SDA, I2C_SCL

George Gollin
University of Illinois at Urbana-Champaign
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I2C lines from sheet 1

I2C lines from sheet 2

3.3V, GND, I2C_SDA, I2C_SCL

Sheet: 2/2

not saved!
amplified microphone gain adjust on back of board.