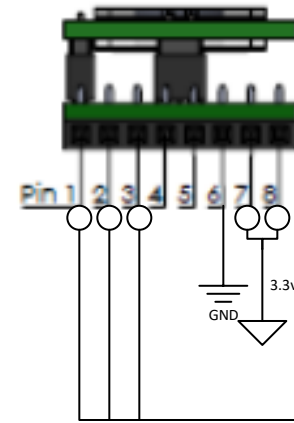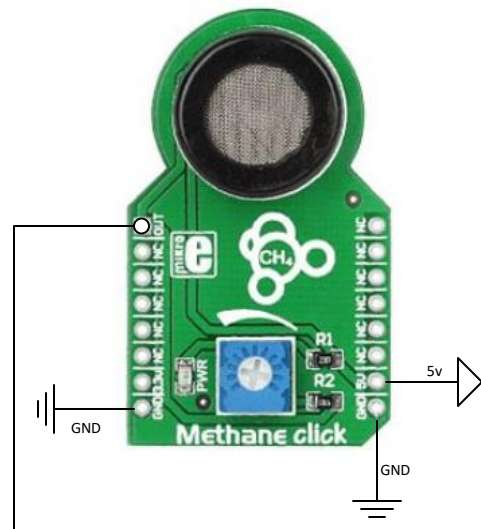968-047

Pin 1 2 3 4 5 6 7 8
GND
3.3v

3x Analog to 968-047

Teensy 3.5

Serial to MDot

MDot

MIKROE-1628

Methane click

Note: MIKROE runs off 5V,
teensy analog is 0-3.3V. So
need to scale down output
using voltage divider

Note: Teensy only outputs
3.3V, so Mdot is running on
3.3V

TSL2561
Lux Sensor

1X Analog to MIKROE-1628

Power, Ground, & Reset
Reserved for Future Use
Digital IO
UDK2 GPIO
mDot GPIO
Serial
I2C
SPI
Analog In Capable
PWM Out (Timer/Channel)
5V Tolerant* IO

5V Tolerant IO
If the external voltage
on a GPIO is greater
than VDD + 0.3V, use
of the internal pull-up or
pull-down resistors
could damage the Dot.

BME280

VIN
GND
SCL
SDA

I2C to TSL2561 (ADDR = 0x39)

I2C to BME280 (ADDR = 0x76)