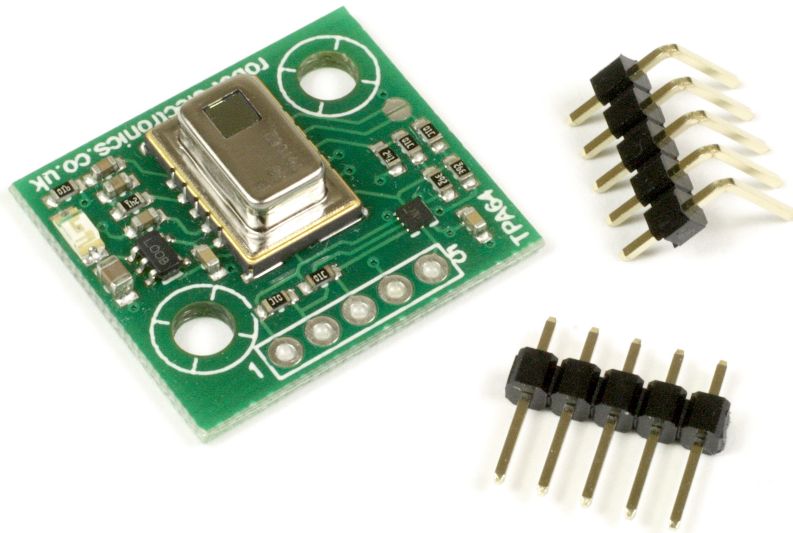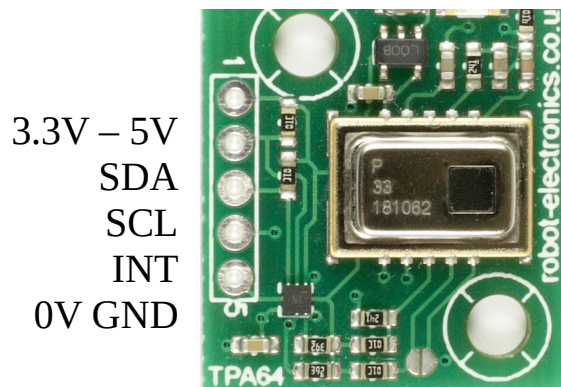# TPA64 – documentation

Features
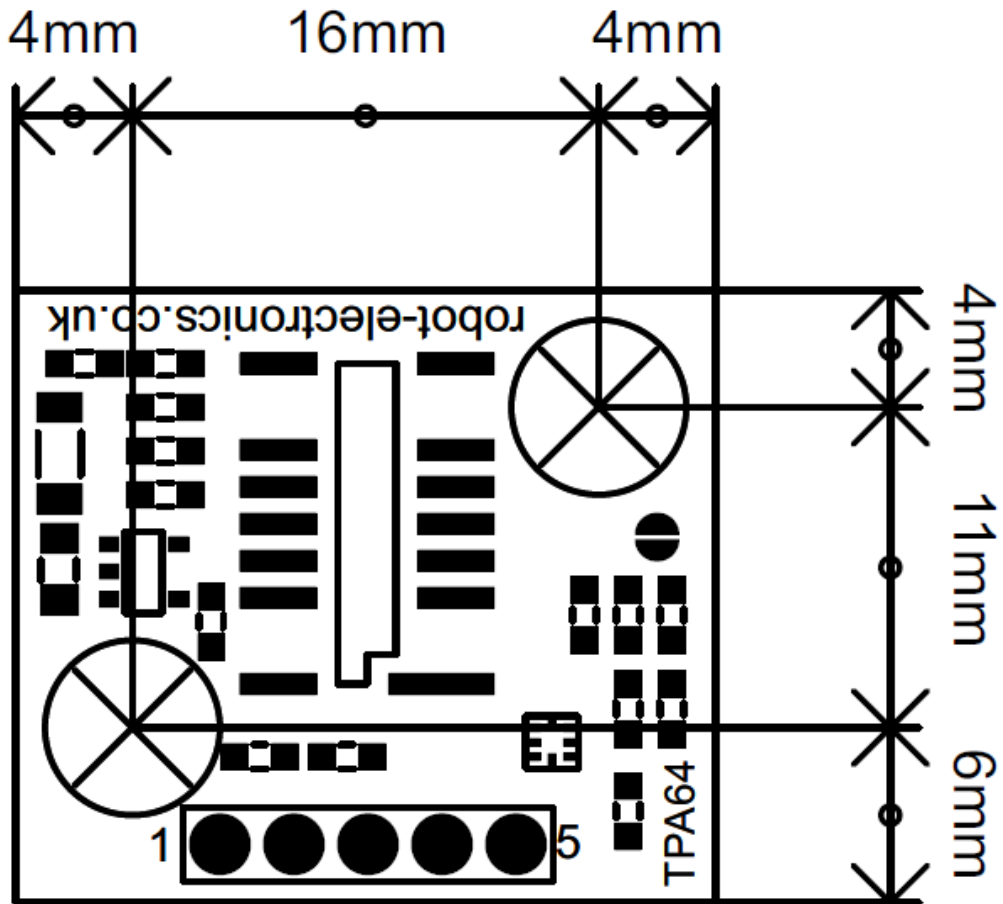
3.3v to 5v operation, with onboard I2C level shifter
Temperature detection of two-dimensional area: 8 × 8 (64 pixels)
Temperature accuracy of +/- 2.5°c
Human detection at up to 7m
Viewing angle 60°, optical axis gap 5.6°
Current consumption 4.5mA
Module defaults to I2C address 0xC2, changeable to 0xC0
Weight is only 3g
Size 24mm x 21mm

Connections

3.3V – 5V
SDA
SCL
INT
0V GND

Schematic

PCB dimensions

AMG8833 usage

AMG8833 datasheet
AMG8833 application note