

# GY-906 MLX90614ESF non-contact Infrared Temperature Sensor Module

## Product Description

Small size, low cost

Mounted on a breakout board with two types of pins

10k Pull up resistors for the I2C interface with optional solder jumpers

Easy to integrate

Factory calibrated in wide temperature range:

-40...+125°C for sensor temperature and

-70...+380°C for object temperature.

High accuracy of 0.5°C over wide temperature range (0...+50°C for both Ta and To) High (medical) accuracy calibration

Measurement resolution of 0.02°C

Single and dual zone versions

SMBus compatible digital interface

Customizable PWM output for continuous reading

Simple adaptation for 8...16V applications

Sleep mode for reduced power consumption

Different package options for applications and measurements versatility

Automotive grade



## Description:

\*High precision non-contact temperature measurements

\*Thermal Comfort sensor for Mobile Air Conditioning control system

\*Temperature sensing element for residential, commercial and industrial building air conditioning Windshield defogging

\*Automotive blind angle detection

\*Industrial temperature control of moving parts

\*Temperature control in printers and copiers

\*Home appliances with temperature control

\*Healthcare

\*Livestock monitoring

\*Movement detection

\*Multiple zone temperature control – up to 127 sensors can be read via common 2 wires

\*Thermal relay / alert

\*Body temperature measurement