

## Ambient light sensor demonstration board

Data Brief

### Features

- Demonstrates the features of the VM6101
- LED on INT pin for visible indication of Threshold and PWM functions
- Graphical representation of the VM6101 output
- Control of Threshold and PWM functions
- Output display in the following units:  
W/m<sup>2</sup>, Lux, Decimal or Hex

### Description

A simple kit that demonstrates the functionality of the VM6101 ambient light sensor. The VM6101 connects to a PC via the parallel port, using the supplied cable and communicates using I<sup>2</sup>C. The software automatically generates the I<sup>2</sup>C commands required to communicate with the VM6101 and displays the data read back in four separate bars, one for each pixel on the device. Full control of the threshold and PWM functions are enabled through the software.

### Kit contents

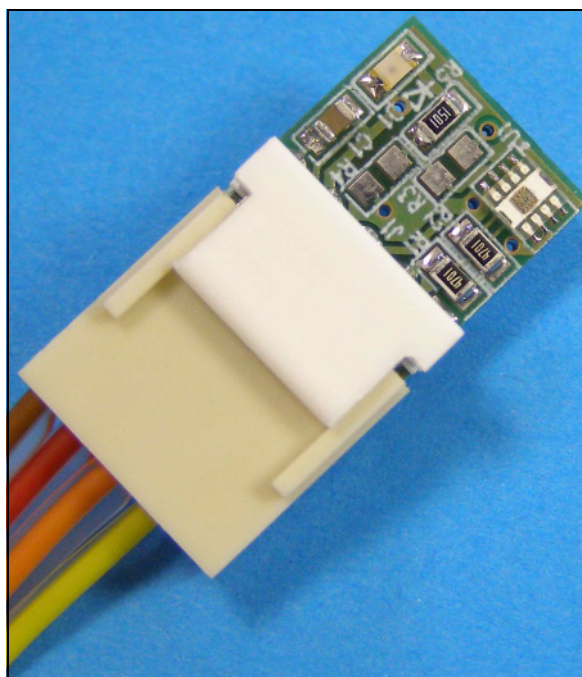
The reference design contains

- VM6101 Demonstration board
- Cable to connect to a PC via the parallel port
- Five VM6101 devices for evaluation

Relevant software and documentation are available on [www.st.com](http://www.st.com).

### System requirements

- PC with ECP capable parallel port
- Administrator rights for the PC



### Technical documentation

The following technical documentation is available

- VM6101 datasheet
- STV-6101-R01 - Comprehensive user manual for the ambient light sensor

### Order codes

Sale Type	Description
STV-6101-R01	Demonstration board for the VM6101 ambient light sensor (13mm x 13 mm)

## Revision history

**Table 1. Document revision history**

Date	Revision	Changes
12-Jun-2006	1	Initial release.

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