

Features

- ▶ Ready-to-use functions
 - On/Off
 - Search Light
 - Dimming
 - Acknowledge
- ▶ Implemented gesture recognition
 - Awareness
 - Tap
 - Time Select
 - Wipe
 - Proximity
- ▶ Detection range approx. 25 cm
- ▶ Direct light control possible
- ▶ PWM-Output (125 Hz, 8 Bit)
- ▶ PCB only application – no mechanics
- ▶ Reference schematics and reference layout available

General Description

Fast and reliable gesture recognition based on the proven robustness of HALIOS[®]. Our technology and long term HMI experience provides an easy to use state-of-the-art interface for your products. Amazing usability included!

The IC is ready to identify the necessary gestures used for basic controls (e. g. dimming). These gestures can be used to directly control the light. Alternatively they can be switched to digital outputs to be connected to your MCU.

Ordering Information

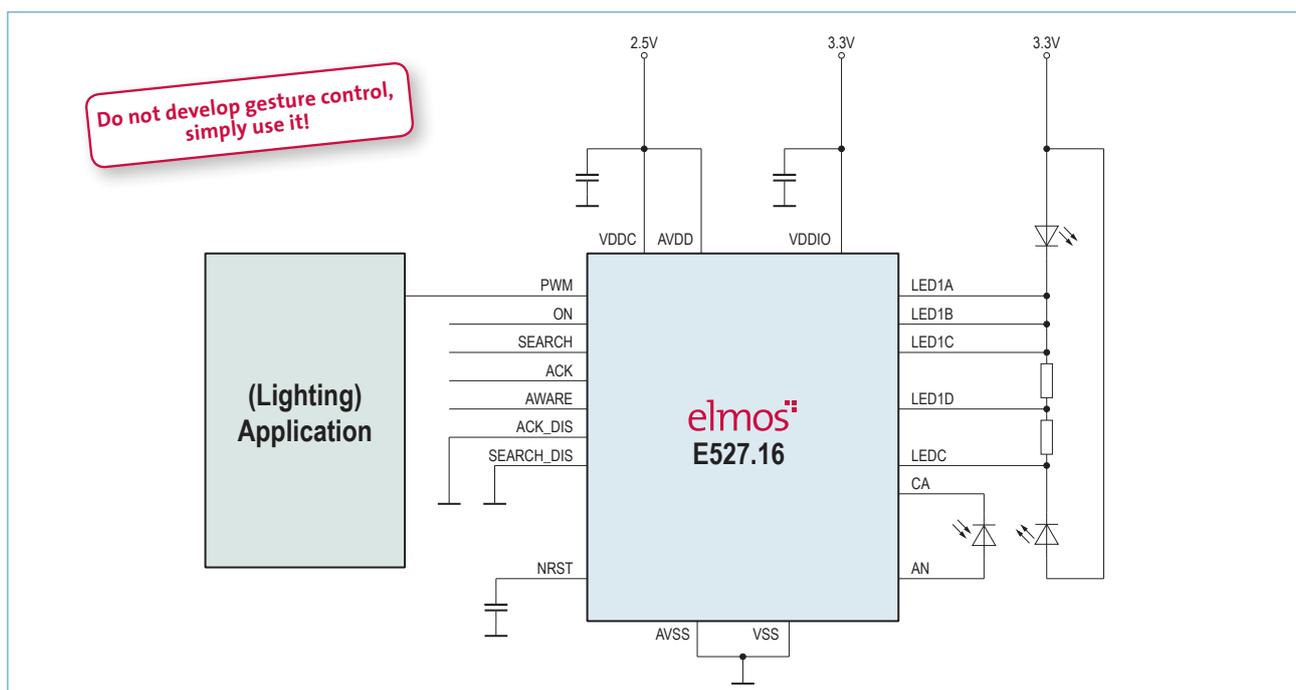
Product ID	Temp Range	Package
E527.16	-40°C to +85°C	QFN32L5

Applications

- ▶ Innovative motion-controlled light
- ▶ Optical push buttons and controls
- ▶ Wake-up function for saving energy
- ▶ Pre-selection to simplify menu structures

Reference schematics and reference layout for easy implementation are available for free.

Typical Application Circuit



Elmos Semiconductor AG reserves the right to change the detail specifications as may be required to permit improvements in the design of its products.

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