

Fantastic Design with One IC.

Benefits

- Output current capability up to 40mA per channel
- SOIC8EP package with internal heat slug
- Advanced ESD and ISO pulse robustness
- Internal LIN transceiver with LIN auto addressing

Key Features

- Battery supply voltage 5V to 28V
- 3 high-precision current mode LED driver
- 4 independent PWM generators
- 16 bit resolution and 48MHz clock
- JTAG debug interface usable as GPIO and/or analog input
- Integrated 16 bit microcontroller
- Different internal memory structures: EEPROM, RAM and SysROM
- Different diagnostic features

EVERY IC GETS
AUTOMATICALLY CONFIGURED



Design a New Experience.
Position Detection, High Flexibility and LIN Interface.



The Elmos Ambient LED Light Controllers offers one of the most flexible solutions worldwide. Furthermore you can control static and/or dynamic RGB light application within a LIN bus system.

Overview E521.36

The E521.36 is a one chip solution for RGB ambient light application. It provides an integrated 16-bit microcontroller with 32kByte memory, EEPROM, a LIN transceiver supporting LIN autoaddressing.

The integrated current sources can be controlled by a 16bit PWM with a 48MHz clock. This enables PWM cycle frequencies up to 700Hz with full resolution. Each driver can be used to drive external loads with currents up to 40mA.

For power management and temperature compensation the device provides an integrated temperature sensor as well as an supply voltage sensing circuitry. Furthermore, with the ADC in the measurement system and the differential measurement of the forward voltage an effective compensation for ageing and temperature can be implemented.

LIN Auto-Addressing

Elmos could successfully implement the established method of auto-addressing for RGB LIN Controller.

The device supports an auto-addressing feature using the bus shunt method (BSM). The auto-addressing feature added to the normal LIN bus functionality allows slave devices to detect their relative position within a bus system.

elmos

Unleash your Creativity.
Don't Worry About Configuration.

GET YOUR ELMOS AMBIENT LED CONTROLLER

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Simplify your System:
One IC, manifold applications, always fantastic performance

