

Motor / Motion / Ignition Controllers & Drivers 8Ch Fixed Freq Constant Crnt Cntrl

Manufacturers	Infineon Technologies Corporation
Package/Case	LQFP64
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLE8242-2L or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

TLE8242-2L is a type of integrated circuit (IC) that is designed for use in automotive applications. It is a 12-channel high-side switch, which means it can control up to 12 different loads (such as lights, motors, or solenoids) by turning them on or off based on input signals from a microcontroller or other control circuitry.

Features

- Operating voltage range: 4.5V to 36V
- Maximum output current per channel: 1.5A
- Overtemperature protection and short-circuit protection
- Open-load detection
- Sleep mode to reduce power consumption
- Output state diagnosis via SPI interface

Application

- Automotive lighting systems (such as headlamps, taillights, and interior lighting)
- Power windows and sunroofs
- HVAC systems
- Fuel and fluid pumps
- Electric power steering
- Seat control systems



Related Products



[TLE4262](#)

Infineon Technologies Corporation
SOP14



[TLE7183QU](#)

Infineon Technologies Corporation
PG-TQFP-48



[TLE52052G](#)

Infineon Technologies Corporation
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[TLE4961-1M](#)

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[TLE8209-1E](#)

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[TLE72092R](#)

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[TLE5216G](#)

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