

DC/DC Switching Controllers Basic Smart Boost Controller

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	SOP-14
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for TLE8386-2EL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

TLE8386-2EL is a high current bridge driver IC manufactured by Infineon Technologies AG, which is used to control and drive DC motors and other inductive loads. It is specifically designed for automotive applications such as electric power steering systems, transmission controls, and engine cooling fans.

## Features

- Dual half-bridge driver configuration with integrated power MOSFETs
- High peak output current of up to 10 A per channel
- Wide input voltage range of 4.5 V to 36 V
- Adjustable overcurrent protection with fault reporting
- Under-voltage lockout (UVLO) protection
- Integrated temperature sensing and thermal shutdown
- Flexible PWM input interface with diagnostic feedback

## Application

- Electric power steering systems in cars, trucks, and other vehicles
- Transmission controls and actuator systems
- Engine cooling fans and pumps
- Electrically driven hydraulic pumps
- Brushed and brushless DC motor control for various automotive and industrial applications



## Related Products



### [TLE4264-2G](#)

Infineon Technologies Corporation  
SOT-223



### [TLE4266G](#)

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SOT-223



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