

Driver 1-OUT High Side/Low Side Half Brdg 10-Pin WDFN EP T/R

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	10-WDFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for FAN8811TMPX or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The FAN8811 is high side and low side gate-drive IC designed for high-voltage, high-speed, driving MOSFETs operating up to 80V. The FAN8811 integrates a driver IC and a bootstrap diode. The driver IC features low delay time and matched PWM input propagation delays, which further enhance the performance of the part. The high speed dual gate driver are designed to drive both the high-side and low-side of N-Channel MOSFETs in a half bridge or synchronous buck configuration. The floating high-side driver is capable of operating with supply voltages of up to 80 V. In the dual gate driver, the high side and low side each have independent inputs which allow maximum flexibility of input control signals in the application. The PWM input signal (high level) can be 3.3 V, 5 V or up to VDD logic input to cover all possible applications. The bootstrap diode for the high-side driver bias supply is integrated in the chip. The high-side driver is referenced to the switch node (HS) which is typically the source pin of the high-side MOSFET and drain pin of the low-side MOSFET. The low-side driver is referenced to VSS which is typically ground. The functions contained are the input stages, UVLO protection, level shift, bootstrap diode, and output driver stages.

## Features

Drives two N-Channel MOSFETs in High & Low Side

Integrated Bootstrap Diode for High Side Gate Drive

Bootstrap Supply Voltage Range up to 100V

Drives 1nF Load with Typical Rise/Fall Times of 6 ns/4 ns

TTL Compatible Input Thresholds

Wide Supply Voltage Range 7.5 V to 16 V (Absolute Maximum 18 V)

Fast Propagation Delay Times (Typ. 30 ns)

2 ns Delay Matching (Typical)

Under-Voltage Lockout (UVLO) Protection for Drive Voltage

Operating Junction Temperature Range of -40°C to 125°C

## Application

ONSEMI

## Related Products



### [FAN3122TMX](#)

ON Semiconductor, LLC  
SOIC-8



### [FAN7930BMX](#)

ON Semiconductor, LLC  
SOP-8



### [FAN73912MX](#)

ON Semiconductor, LLC  
SOIC-16



### [FAN7361MX](#)

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SOP-8



### [FAN7602CMX](#)

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### [FAN7621BSJX](#)

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### [FAN3223TMX](#)

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### [FAN48630UC50X](#)

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