

3Ch. Half Bridge Gate Driver; Package: SOIC-Wide; No of Pins: 20; Container: Tape & Reel, MOSFET & Power Driver ICs 3Ch Half Bridge Gate

Manufacturers	ON Semiconductor, LLC
Package/Case	SOIC-20
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for FAN7388MX or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The FAN7388 is a monolithic three half-bridge gate-drive IC designed for high-voltage, high-speed driving MOSFETs and IGBTs operating up to +600 V. Fairchild's high-voltage process and common-mode noise canceling technique provide stable operation of high-side drivers under high-dv/dt noise circumstances. An advanced level-shift circuit allows high-side gate driver operation up to =15 V. The UVLO circuits prevent malfunction when VDD and VBS are lower than the specified threshold voltage. Output drivers typically source/sink 350 mA / 650 mA, respectively, which is suitable for three-phase half-bridge applications in motor drive systems.

Features

Floating Channel for Bootstrap Operation to +600 V

Typically 350 mA / 650 mA Sourcing/Sinking Current Driving Capability for All Channels

3 Half-Bridge Gate Driver

Extended Allowable Negative VS Swing to -9.8 V for Signal Propagation at >

Matched Propagation Delay Time Maximum: 50 ns

3.3 V and 5 V Input Logic Compatible

Built-in Shoot-Through Prevention Circuit for All Channels with 270 ns Typical Dead Time

Built-in Common Mode dv/dt Noise Canceling Circuit

Built-in UVLO Functions for All Channels

Application

ONSEMI

Related Products



[FAN3122TMX](#)

ON Semiconductor, LLC
SOIC-8



[FAN7602CMX](#)

ON Semiconductor, LLC
SOIC-8



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SOP-8



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[FAN3223TMX](#)

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[FAN48630UC50X](#)

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WLCSP-16