

LT1161ISW#PBF Quad High Side MOSFET Power Driver 20-Pin, SOIC

Manufacturers	Analog Devices, Inc
Package/Case	20-SOIC (0.295, 7.50mm Width)
Product Type	Gate Drivers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1161ISW#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1161 is a quad high-side gate driver allowing the use of low cost N-channel power MOSFETs for high-side switching applications. It has four independent switch channels, each containing a completely self-contained charge pump to fully enhance an N-channel MOSFET switch with no external components.

Also included in each switch channel is a drain sense comparator that is used to sense switch current. When preset current level is exceeded, the switch is turned off. The switch remains off for a period of time set by an external timing capacitor and then automatically attempts to restart. If the fault is still present, this cycle repeats until the fault is removed, thus protecting the MOSFET.

The LT1161 has been specifically designed for harsh operating environments such as industrial, avionics, and automotive applications where poor supply regulation and/or transients may be present. The device will not sustain damage from supply voltages of -15V to 60V.

Features

8V to 48V Power Supply Range

Protected from -15V to 60V Supply Transients

Fully Enhances N-Channel MOSFET Switches

Individual Short-Circuit Protection

Individual Automatic Restart Timers

Programmable Current Limit, Delay Time, and Auto-Restart Period

Voltage-Limited Gate Drive

Defaults to OFF State with Open Input

Flowthrough Input to Output Pinout

Available in 20-Lead DIP or SOL Package

Application

Industrial Control

Avionics Systems

Automotive Switches

Stepper Motor and DC Motor Control

Electronic Circuit Breaker

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN