

LT1910IS8#PBF High Side MOSFET Power Driver, 8 to 48 V 8-Pin, SOIC

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-8
Product Type	Gate Drivers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1910IS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1910 is a high side gate driver that allows the use of low cost N-channel power MOSFETs for high side switching applications. It contains a completely self-contained charge pump to fully enhance an N-channel MOSFET switch with no external components.

When the internal drain comparator senses that the switch current has exceeded the preset level, the switch is turned off and a fault flag is asserted. The switch remains off for a period of time set by an external timing capacitor and then automatically attempts to restart. If the fault still exists, this cycle repeats until the fault is removed, thus protecting the MOSFET. The fault flag becomes inactive once the switch restarts successfully.

The LT1910 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 transients of -15V to 60V.

The LT1910 is available in the SO-8 package.

## Features

8V to 48V Power Supply Range

Protected from -15V to 60V Supply Transients

Short-Circuit Protected

Automatic Restart Timer

Open-Collector Fault Flag

Fully Enhances N-Channel MOSFET Switches

Programmable Current Limit, Delay Time and Autorestart Period

Voltage Limited Gate Drive

Defaults to Off State with Open Input

Available in SO-8 Package

## Application

Industrial Control

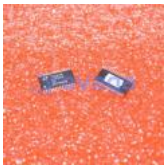
Avionics Systems

Automotive Switches

Stepper Motor and DC Motor Control

Electronic Circuit Breaker

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

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MSOP10



### [LTC1966CMS8#PBF](#)

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MSOP-8P



### [LTC2990IMS#PBF](#)

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### [LTM8045EY#PBF](#)

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BGA40



### [LT4295IUFD#PBF](#)

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