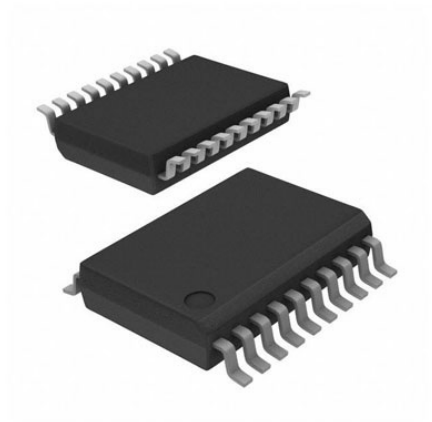


IC REG CTRLR FLYBK ISO CM 16MSOP

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSSOP12
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3748EMS#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT3748 is a switching regulator controller specifically designed for the isolated flyback topology and capable of high power. It drives a low side external N-channel power MOSFET from an internally regulated 7V supply. No third winding or opto-isolator is required for regulation as the part senses the isolated output voltage directly from the primary-side flyback waveform.

The LT3748 utilizes boundary mode to provide a small magnetic solution without compromising load regulation. Operating frequency is set by load current and transformer magnetizing inductance. The gate drive of the LT3748 combined with a suitable external MOSFET allow it to deliver load power up to several tens of watts from input voltages as high as 100V.

The LT3748 is available in a high voltage 16-lead MSOP package with four leads removed.

## Features

5V to 100V Input Voltage Range

1.9A Average Gate Drive Source and Sink Current

Boundary Mode Operation

No Transformer Third Winding or Opto-Isolator Required for Regulation

Primary-Side Winding Feedback Load Regulation

VOUT Set with Two External Resistors

INTVCC Pin for Control of Gate Driver Voltage

Programmable Soft Start

Programmable Undervoltage Lockout

Available in MSOP Package

## Application

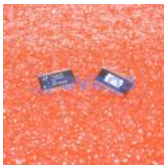
Isolated Telecom Converters

High Power Automotive Supplies

Isolated Industrial Power Supplies

Military and High Temperature Applications

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LTM8045EX#PBF](#)

Analog Devices, Inc  
BGA40



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN