

DC/DC Cntrlr Single-OUT Automotive 12-Pin MSOP Tube

Manufacturers	Analog Devices, Inc
Package/Case	IC REG CTRLR FLYBACK 16MSOP
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3748EMS#PBF 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



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN