

IC REG CTRLR BUCK PWM CM 16TSSOP

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3845AIFE#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3845A is a high voltage, synchronous, current mode controller used for medium to high power, high efficiency supplies. It offers a wide 4V to 60V input range (7.5V minimum start-up voltage). An onboard regulator simplifies the biasing requirements by providing IC power directly from VIN.

Burst Mode® operation maintains high efficiency at light loads by reducing IC quiescent current to 120µA. Light load efficiency is also improved with the reverse inductor current inhibit function which supports discontinuous operation.

Additional features include adjustable fixed operating frequency that can be synchronized to an external clock for noise sensitive applications, gate drivers capable of driving large N-channel MOSFETs, a precision undervoltage lockout, 10µA shutdown current, short-circuit protection and a programmable soft-start.

The LT3845A is available in a 16-lead thermally enhanced TSSOP package.

FeaturesLT3845-LT3845AImproved Performance In Over Current Conditions

Features

High Voltage Operation: Up to 60V

Synchronizable Up to 600kHz

Adjustable Constant Frequency: 100kHz to 500kHz

Output Voltages Up to 36V

Stable Operation in Current Limit

Adaptive Nonoverlap Circuitry Prevents Switch Shoot-Through

Reverse Inductor Current Inhibit for Discontinuous Operation Improves Efficiency with Light Loads

Programmable Soft-Start

120 μ A No Load Quiescent Current

10 μ A Shutdown Supply Current

1% Regulation Accuracy

Standard Gate N-Channel Power MOSFETs

Reverse Overcurrent Protection

16-Lead Thermally Enhanced TSSOP Package

Application

12V and 42V Automotive and Heavy Equipment

48V Telecom Power Supplies

Avionics and Industrial Control Systems

Distributed Power Converters





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



[LTM804SEY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN