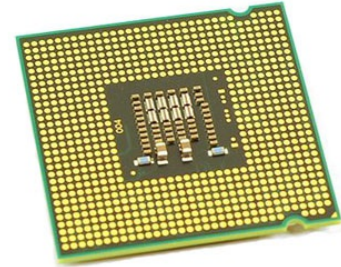


Step Down DC-DC Switching Regulator, Adjustable, 0.8 5 V 84-Pin, LGA

Manufacturers	Analog Devices, Inc
Package/Case	LGA84
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4618IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM4618 is a complete 6A output switch mode DC/DC power supply. Included in the package are the switching controller, power FETs, inductor and all support components. Operating over an input voltage range of 4.5V to 26.5V, the LTM4618 supports an output voltage range of 0.8V to 5V set by a single external resistor. Its high efficiency design delivers 6A continuous current (8A peak). Only a few input and output capacitors are needed.

High switching frequency and a current mode architecture enable a very fast transient response to line and load changes without sacrificing stability. The device supports frequency synchronization and output voltage tracking for supply rail sequencing. Burst Mode operation or pulseskipping mode can be selected for light load conditions.

Fault protection features include overvoltage protection, overcurrent protection and foldback current limit for short-circuit protection.

The LTM4618 is offered in 9mm × 15mm × 4.32mm LGA and 9mm × 15mm × 4.92mm BGA packages with RoHS compliant terminal finish.

Features

Complete Standalone Power Supply

Wide Input Voltage Range: 4.5V to 26.5V

6A DC Typical, 8A Peak Output Current

0.8V to 5V Output

Output Voltage Tracking

Current Mode Control/Fast Transient Response

Phase-Lockable Fixed Frequency 250kHz to 780kHz

On-Board Frequency Synchronization

Selectable Burst Mode® Operation

Power Good Voltage Indicator

Output Overvoltage Protection

Output Current Foldback Limiting

9mm × 15mm × 4.32mm LGA and 9mm × 15mm × 4.92mm BGA Packages

Application

Telecom and Networking Equipment

Servers

Storage Cards

ATCA Cards

Industrial Equipment

Point of Load Regulation

Medical Systems

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