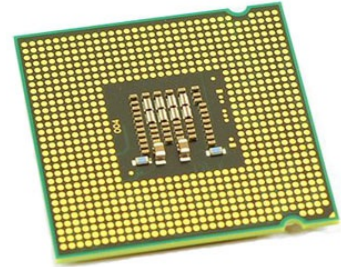


Dual, 26VIN, 4A DC/DC μ Module Regulator; Package: 144-LGA; Temperature Range: –40°C to 85°C

Manufacturers	Analog Devices, Inc
Package/Case	LGA-144
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4619IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM4619 is a complete dual 4A or single 8A stepdown DC/DC μ Module® (power module) regulator. Included in the package are the switching controller, power FETs, inductor, and all support components. Operating over input voltage ranges of 4.5V to 26.5V, the LTM4619 supports two outputs with voltage ranges of 0.8V to 5V, each set by a single external resistor. Its high efficiency design delivers 4A continuous current (5A peak) for each output.

High switching frequency and a current mode architecture enable a very fast transient response to line and load changes without sacrificing stability. The two outputs are interleaved with 180° phase to minimize the ripple noise and reduce the I/O capacitors. 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 operations.

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

The low profile package (2.82mm) enables utilization of unused space on the bottom of PC boards for high density point of load regulation. The power module is offered in a 15mm × 15mm × 2.82mm LGA package. The LTM4619 is RoHS compliant with Pb-free finish.

Features

Complete Standalone Power Supply

Wide Input Voltage Range: 4.5V to 26.5V (EXTVCC Available for $V_{IN} \leq 5.5V$)

Dual 180° Out-of-Phase Outputs with 4A DC Typical, 5A Peak Output Current for Each

Dual Outputs with 0.8V to 5V Range

Output Voltage Tracking

Current Mode Control/Fast Transient Response

Power Good

Phase-Lockable Fixed Frequency 250kHz to 780kHz

On Board Frequency Synchronization

Parallel Current Sharing

Selectable Burst Mode® Operation

Output Overvoltage Protection

15mm × 15mm × 2.82mm LGA Package

Application

Telecom and Networking Equipment

Servers

Storage Cards

ATCA Cards

Industrial Equipment

Point of Load Regulation

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN