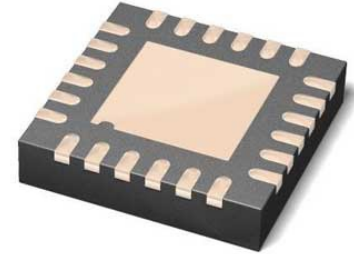


Linear Technology, LTC3618EUF#PBF DC-DC Converter Dual 3A Adjustable 24-Pin, QFN

Manufacturers	Analog Devices, Inc
Package/Case	QFN24
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3618EUF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3618 is a dual synchronous step-down regulator using a current mode, constant-frequency architecture. It provides a complete DDR solution with an input voltage range from 2.25V to 5.5V.

The output of the first step-down regulator offers a high accuracy VDDQ supply. A buffered reference generates VTTR at 50% of VDDQIN and drives loads up to $\pm 10\text{mA}$. The second regulator generates the DDR termination voltage (VTT) equal to VTTR. Both regulators are capable of delivering $\pm 3\text{A}$ of load current at 1MHz switching frequency.

The operating frequency is externally programmable up to 4MHz, allowing the use of small surface mount inductors. 0° , 90° , or 180° of phase shift between the two channels can be selected to minimize input current ripple. For switching noise-sensitive applications, the LTC3618 can be synchronized to an external clock up to 4MHz.

The LTC3618 is offered in leadless 24-pin $4\text{mm} \times 4\text{mm}$ QFN and thermally enhanced 24-pin TSSOP packages.

Features

DDR Power Supply, Termination and Reference

High Efficiency: Up to 94%

Dual Outputs with $\pm 3A$ Output Current Capability

2.25V to 5.5V Input Voltage Range

VTT Output Voltage Down to 0.5V

Shutdown Current = VTTR

Adjustable Switching Frequency Up to 4MHz

Internal or External Compensation

Selectable $0^\circ/90^\circ/180^\circ$ Phase Shift Between Channels

Internal or External Soft-Start for VDDQ, Internal Soft-Start for VTT

Power Good Status Outputs

Low Profile $4mm \times 4mm$ QFN-24 and TSSOP-24 Packages

Application

DDR Memory

Supports DDR, DDR2, and DDR3 Standards

Tracking Supplies

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



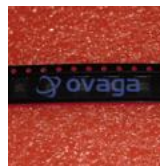
[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN