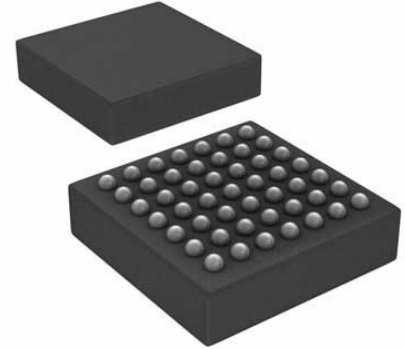


Quad DC/DC μ Module Regulator with Configurable 1.2A Output Array

Manufacturers	Analog Devices, Inc
Package/Case	49-Lead BGA (6.25mm x 6.25mm x 2.10mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4668AEY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM4668A is a quad DC/DC step-down μ Module (micromodule) regulator with 1.2A DC current per output. Outputs can be paralleled in an array for up to 4.8A capability. Included in the package are the switching controllers, power FETs, inductors and support components. Operating over an input voltage range of 2.7V to 17V, the LTM4668A supports an output voltage range of 0.6V to 5.5V. Only bulk input and output capacitors are needed. The device supports frequency synchronization, PolyPhase operation, selectable Burst Mode operation, 100% duty cycle and low IQ operation. Its high switching frequency and a current mode architecture enables a very fast transient response to line and load changes without sacrificing stability.

Fault protection features include overvoltage, overcurrent and overtemperature protection. The power module is offered in a space saving and thermally enhanced 6.25mm \times 6.25mm \times 2.1mm BGA package. The LTM4668A is available with SnPb (BGA) or RoHS compliant terminal finish.

Features

Quad Output Step-Down μ Module Regulator with 1.2A per Output Channel

Wide Input Voltage Range: 2.7V to 17V

0.6V to 5.5V Output Voltage

1.2A DC, Parallelable, Output Current Each Channel

100% Duty Cycle Operation

Current Mode Control, Fast Transient Response

External Frequency Synchronization

Selectable Burst Mode[®] Operation

Power Good Indicator

Over Voltage, Current and Temperature Protection

6.25mm x 6.25mm x 2.1mm BGA Package

Pin Compatible with LTM4668 (0.6V to 1.8V Output, 1MHz).

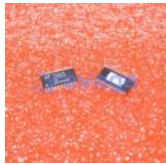
Application

Telecom, Networking and Industrial Equipment

Multi-Rail Point of Load Regulation

FPGAs, DSPs and ASICs Application

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