

Dual 25A or Single 50A  $\mu$ Module Regulator with 0.8% DC and 3% Transient Accuracy

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	144-Lead BGA (16mm x 16mm x 5.01mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4650IY-1A#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM4650-1A/LTM4650-1B is dual 25A or single 50A output step-down  $\mu$ Module<sup>®</sup> (power module) regulator with  $\pm 0.8\%$  (LTM4650-1A) and  $\pm 1.5\%$  (LTM4650-1B) total DC output error with  $\pm 3\%$  transient output error. Included in the package are the switching controller, power FETs, inductors, and all supporting components. External compensation allows for fast transient response to minimize output capacitance when powering FPGAs, ASICs, and processors. With synchronized multiphase parallel current sharing, six LTM4650-1 devices can deliver up to 300A. The LTM4650-1 is offered in a 16mm  $\times$  16mm  $\times$  5.01 BGA package, with SnPb (BGA) or RoHS compliant terminal finish.

### Applications

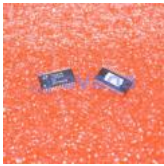
## Features

- Dual 25A or Single 50A Output
- 4.5V to 15V Input, 0.6V to 1.8V Output Voltage Range
- Differential Remote Sense Amplifier
- Current Mode Control/Fast Transient Response
- Current Sharing Up to 300A
- 16mm  $\times$  16mm  $\times$  5.01mm BGA Package

## Application

- FPGA, ASIC,  $\mu$ Processor Core Voltage Regulation
- Information, Communication Systems

## Related Products



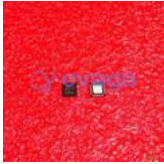
[LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



[LT1038CK](#)

Analog Devices, Inc  
TO-3



[LTC4417IUF](#)

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QFN-24



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BGA40



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28-WFQFN