

Triple Output 5A/5A/4A Step-Down DC/DC  $\mu$ Module® (Power Module) Regulator

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	144-Lead BGA (15mm x 15mm x 5.01mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4634IY or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM4634 integrates three complete 5A/5A/4A high efficiency switching mode DC/DC converters into one small package. Switching controllers, power FETs, inductors, and most support components are included. Operating over an input voltage range of 4.75V to 28V, the LTM4634 provides three independent output voltages. VOUT1 and VOUT2 are adjustable from 0.8V to 5.5V, while VOUT3 is adjustable from 0.8V to 13.5V. Each output voltage is set by a single external resistor.

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, multiphase parallel operation, soft-start and output voltage tracking for supply rail sequencing.

Fault protection features include overvoltage protection, overcurrent protection and temperature monitoring. The power module is offered in a space saving, thermally enhanced 15mm x 15mm x 5.01mm BGA package. The LTM4634 is available with SnPb (BGA) or RoHS compliant terminal finish.

## Features

Three Independent High Efficiency = 4A

Input Voltage Range: 4.75V to 28V

Independent VIN for Each Channel

VOUT1,2 Voltage Range: 0.8V to 5.5V

VOUT3 Voltage Range: 0.8V to 13.5V

Current Mode Control/Fast Transient Response

Frequency Synchronization

Output Overvoltage and Overcurrent Protection

PolyPhase® Operation with Current Sharing

General Purpose Temperature Monitors

Soft-Start/Voltage Tracking

Power Good Monitors

SnPb or RoHS Compliant Finish

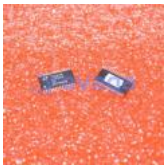
15mm × 15mm × 5.01mm BGA Package

## Application

Telecom, Networking and Industrial Equipment

High Density Point of Load Voltage Regulation

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EX#PBF](#)

Analog Devices, Inc  
BGA40



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



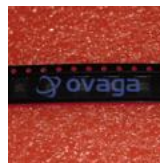
### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

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28-WFQFN