

LTM4634EY#PBF

Data Sheet

Switching Voltage Regulators Triple Output 5A/5A/4A Step-Down DC/DC μ Module® Regulator

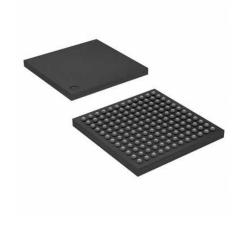
Manufacturers <u>Analog Devices, Inc</u>

Package/Case BGA-144

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for LTM4634EY#PBF or <u>Emailto-us:sales@ovaga.com</u> We will contact you in 12 hours.

RFO

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 $15\text{mm} \times 15\text{mm} \times 5.01\text{mm}$ 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

 $15\text{mm} \times 15\text{mm} \times 5.01\text{mm}$ BGA Package

Related Products



LT3763EFE
Analog Devices, Inc



LTC4417IUF

TSSOP28

Analog Devices, Inc QFN-24



LTC1966CMS8#PBF

Analog Devices, Inc MSOP-8P



LTM8045EY#PBF

Analog Devices, Inc BGA40

Application

Telecom, Networking and Industrial Equipment

High Density Point of Load Voltage Regulation



LT1038CK

Analog Devices, Inc TO-3



LTC3440EMS

Analog Devices, Inc MSOP10



LTC2990IMS#PBF

Analog Devices, Inc 10MSOP



LT4295IUFD#PBF

Analog Devices, Inc 28-WFQFN