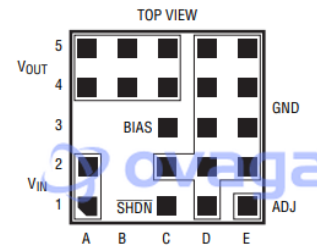


Linear Technology, LTM8020IV#PBF Switching Regulator 200mA Adjustable, 1.25 5 V  
21-Pin, LGA

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	LGA21
Product Type	Power Management ICs
RoHS	
Lifecycle	



LGA PACKAGE  
21-LEAD (6.25mm × 6.25mm × 2.32mm)  
T<sub>JMAX</sub> = 125°C, θ<sub>JA</sub> = 23.1°C/W  
θ<sub>JA</sub> DERIVED FROM 5cm × 5cm PCB WITH 4 LAYERS  
WEIGHT = 0.25g

Images are for reference only

Please submit RFQ for LTM8020IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM8020 is a complete 200mA, DC/DC step-down power supply. Included in the package are the switching controller, power switches, inductor, and all support components. Operating over an input voltage range of 4V to 36V, the LTM8020 supports an output voltage range of 1.25V to 5V, set by a single resistor. Only bulk capacitors are needed to finish the design. The LTM8020 meets the radiated emissions requirements of EN55022. Conducted emission requirements can be met by adding standard filter components.

The low profile (2.32mm) tiny package enables utilization of unused space on the bottom of PC boards for high density point of load regulation.

The LTM8020 is packaged in a thermally enhanced, compact (6.25mm × 6.25mm) and low profile (2.32mm) over-molded land grid array (LGA) package suitable for automated assembly by standard surface mount equipment. The LTM8020 is Pb-free and RoHS compliant.

## Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 4V to 36V

1.25V to 5V Output Voltage

EN55022 Class B Compliant

200mA Output Current

Current Mode Control

Pb-Free (e4) RoHS Compliant Package with Gold Pad Finish

Tiny, Low Profile (6.25mm × 6.25mm × 2.32mm) Surface Mount LGA Package

## Application

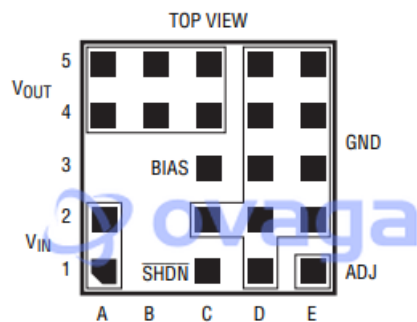
Automotive Battery Regulation

Power for Portable Products

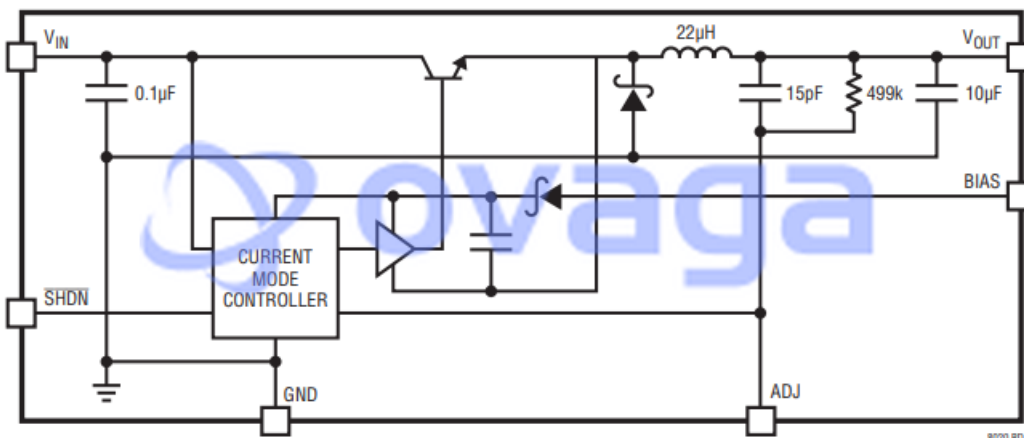
Distributed Supply Regulation

Industrial Supplies

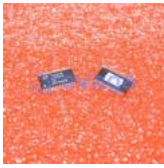
Wall Transformer Regulation



LGA PACKAGE  
21-LEAD (6.25mm × 6.25mm × 2.32mm)  
 $T_{JMAX} = 125^{\circ}\text{C}$ ,  $\theta_{JA} = 23.1^{\circ}\text{C/W}$   
 $\theta_{JA}$  DERIVED FROM 5cm × 5cm PCB WITH 4 LAYERS  
WEIGHT = 0.25g



## Related Products



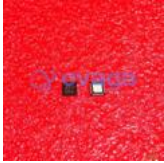
[LT3763EFE](#)

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