

Dual Multitopology DC/DC Converters with 2A Switches and Synchronization

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-20
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT8471IFE#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT8471 is a dual PWM DC/DC converter containing two internal 2A, 50V switches and an additional 500mA switch to facilitate step-down and inverting conversion. Each 2A channel can be independently configured as a buck, boost, SEPIC, flyback or inverting converter. Capable of generating positive and negative outputs from a single input rail, the LT8471 is ideal for many local power supply designs.

The LT8471 has an adjustable oscillator, set by a resistor placed from the RT pin to ground. Additionally, the LT8471 can be synchronized to an external clock. The free running or synchronized switching frequency range of the part can be set between 100kHz and 2MHz.

Additional features such as frequency foldback, soft-start, and power good are integrated. The LT8471 is available in 20-lead TSSOP and 28-Lead (4mm × 5mm) QFN packages.

Features

Dual 2A and One 500mA, 50V Internal Power Switch Channels

2A Primary Channels Can Be Buck, Boost, SEPIC, ZETA, Flyback or Inverting DC/DC Converter

500mA Skyhook Channel Efficiently Generates Boosted Input Voltage

Wide Input Voltage Range of 2.6V to 50V

UVLO and OVLO Programmable on OV/UV Pin

Soft-Start Programmable for Each Channel

Fixed Frequency PWM (Set by RT Pin or Synchronized to External Clock)

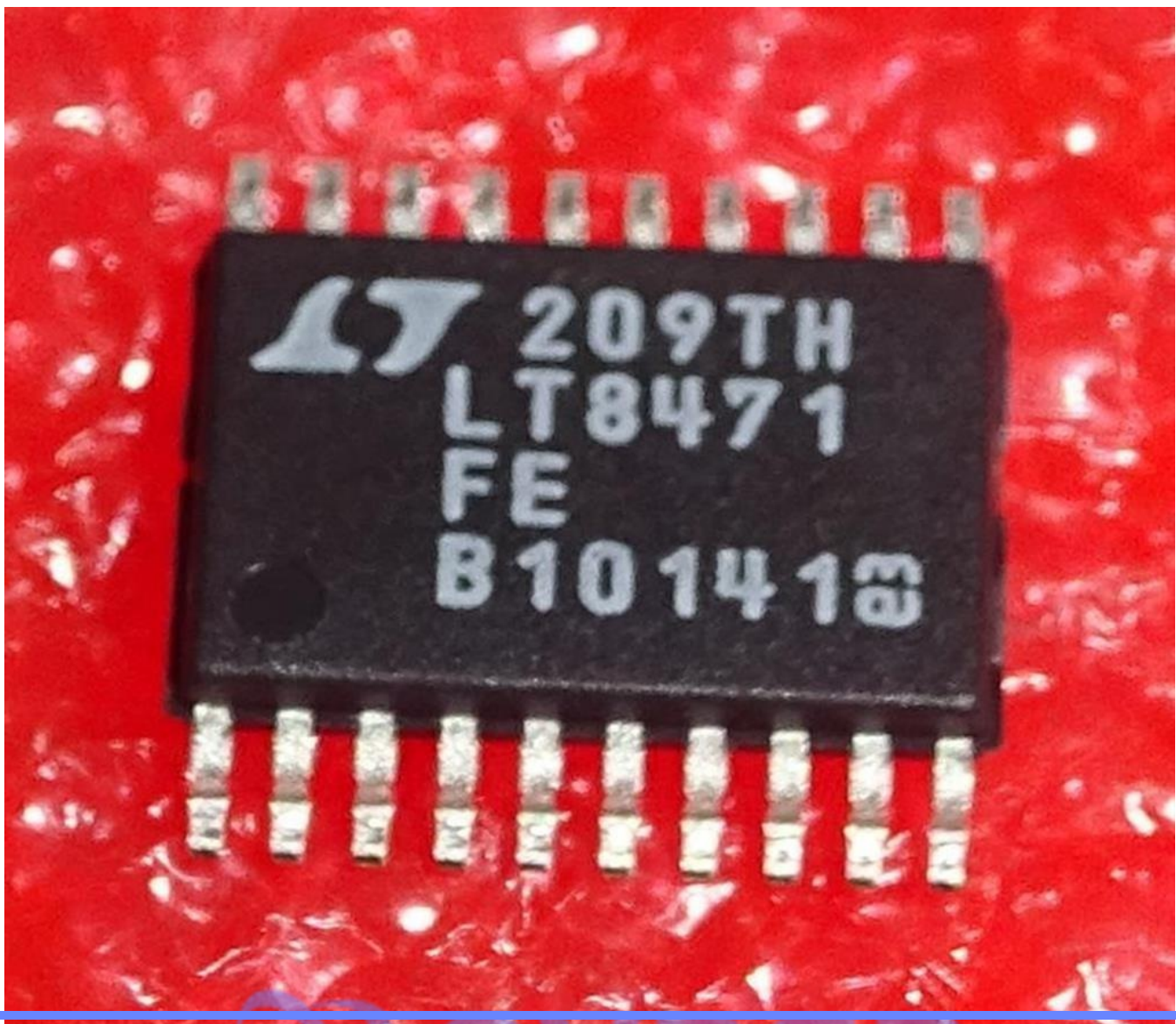
Anti-Phase Switching Reduces Input Ripple

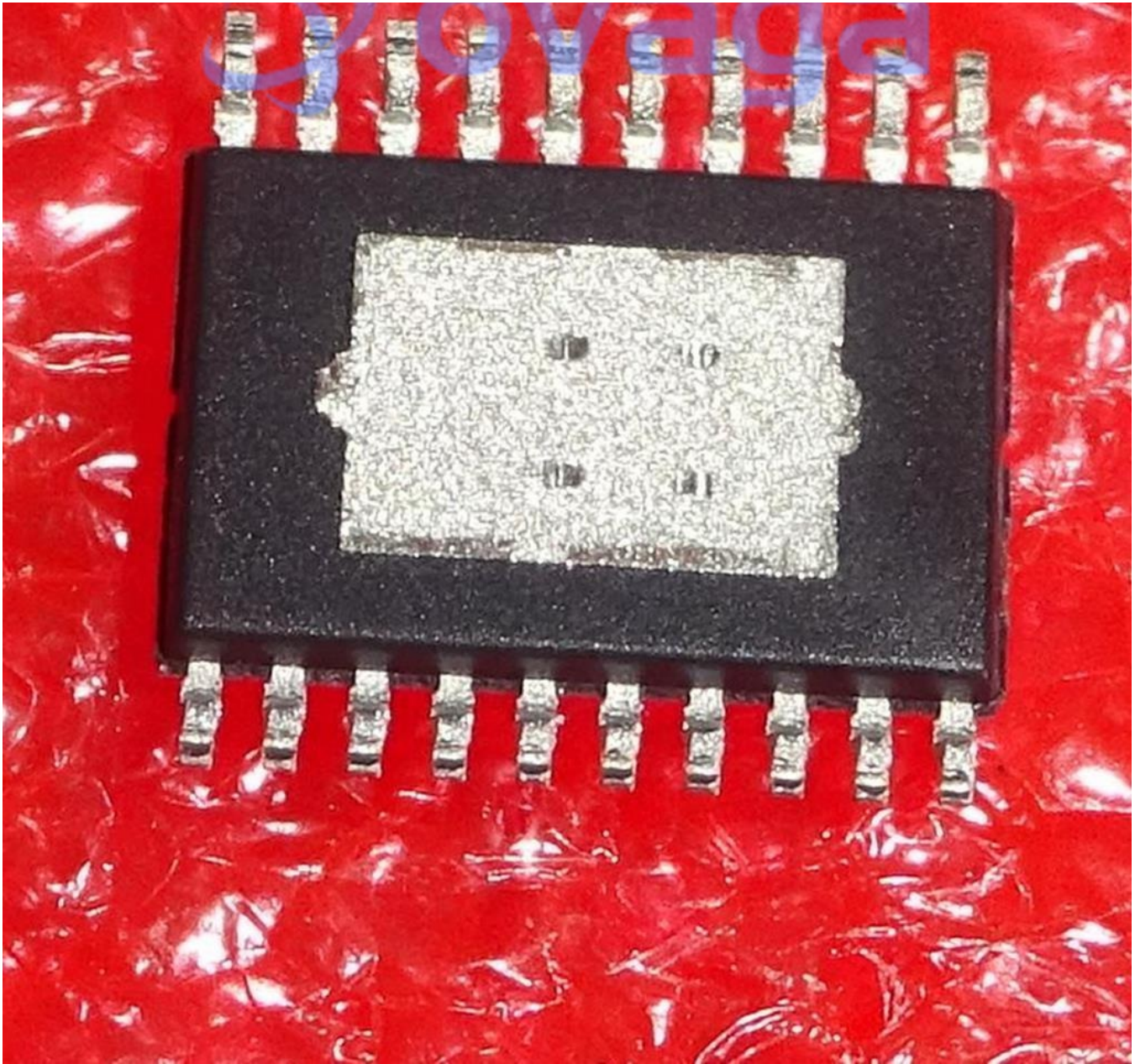
20-Lead TSSOP and 28-Lead QFN Packages

Application

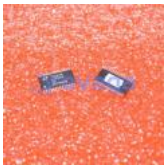
Dual Rail Power for Signal Chain.

Buck/Buck, Buck/Boost, Boost/Boost, Boost/Invert, Invert/Invert, Buck/Invert





Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc

BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc

28-WFQFN