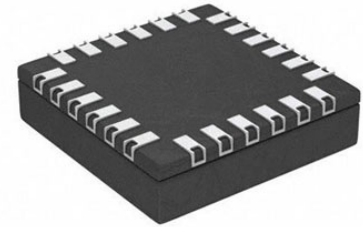


Conv DC-DC 2.55V to 5.5V Step Up Dual-Out 12V/-12V 16-Pin QFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	16-WFQFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3582EUD-12#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3582/LT3582-5/LT3582-12 are dual DC/DC converters featuring positive and negative outputs and integrated feedback resistors. The LT3582, with its built-in One Time Programming (OTP), has configurable output settings via the I2C interface, including output voltage settings, power-up sequencing, power-down discharge, and output voltage ramp rates. LT3582 settings can be changed adaptively in the final product, or set during manufacturing and made permanent using the built in non-volatile OTP memory. The positive output voltage can be set between 3.2V and 12.775V in 25mV steps. The negative output voltage can be set between -1.2V and -13.95V in -50mV steps. The LT3582-5 and LT3582-12 are pre-configured at the factory for $\pm 5V$ and $\pm 12V$ outputs respectively, and as such, don't require the use of the I2C interface.

The LT3582 series includes two monolithic converters, one Boost and one Inverting. The Boost converter has an integrated power switch and output disconnect switch. The Inverting converter uses a single inductor topology and includes an integrated power switch. Both Boost and Inverting converters use a novel** control scheme resulting in low output voltage ripple while allowing for high conversion efficiency over a wide load current range. The LT3582 series is available in a 16-pin 3mm \times 3mm QFN.

Features

Output Voltages:

3.2V to 12.775V and -1.2V to -13.95V (LT3582)

5V and -5V (LT3582-5)

12V and -12V (LT3582-12)

Digitally Re-Programmable (LT3582) via I2C for:

Output Voltages

Power Sequencing

Output Voltage Ramp Rates

Power-Up Defaults Settable with Non-Volatile OTP (LT3582)

I2C Compatible Interface (Standard Mode*)

All Power Switches Integrated

350mA Current Limit (Boost)

600mA Current Limit (Inverting)

All Feedback Resistors Integrated

Input Voltage Range: 2.55V to 5.5V

Low Quiescent Current

325 μ A in Active Mode

0.01 μ A in Shutdown Mode

Integrated Output Disconnect

Tiny 16-Pin 3mm \times 3mm QFN Package

Application

AMOLED Power

CCD Power

General Purpose DC/DC Conversion

Related Products



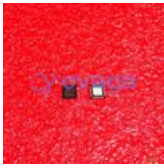
[LT3763EFE](#)

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