

Conv DC-DC 36V Synchronous Step Down Dual-Out 0.6V to 32.4V 32-Pin QFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	QFN-32
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3708EUH#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3708 is a dual, 2-phase synchronous step-down switching regulator with output voltage up/down tracking capability. The IC allows either coincident or ratiometric tracking. Multiple LTC3708s can be daisy-chained in applications requiring more than two voltages to be tracked. Power supply sequencing is accomplished using an external soft-start timing capacitor.

The LTC3708 uses a constant on-time, valley current mode control architecture to deliver very low duty factors without requiring a sense resistor. Operating frequency is selected by an external resistor and is compensated for variations in input supply voltage. An internal phase-locked loop allows the IC to be synchronized to an external clock.

Fault protection is provided by an output overvoltage comparator and an optional short-circuit shutdown timer. The regulator current limit level is user programmable. A wide supply range allows voltages as high as 36V to be stepped down to 0.6V output.

Features

Very Low Duty Factor Operation ($t_{ON(MIN)} < 85ns$)

No RSENSE™ Option for Maximum Efficiency

Very Fast Transient Response

Programmable Output Voltage Up/Down Tracking

2-Phase Operation Reduces Input Capacitance

0.6V \pm 1% Output Voltage Reference

External Frequency Synchronization

Monotonic Soft-Start

On-board High Current MOSFET Drivers

Wide VIN Range: Up to 36V

Adjustable Cycle-by-Cycle Current Limit

Instant Output Overvoltage Protection

Optional Short-Circuit Shutdown Timer

Power Good Output with 100 μ s Masking

Available in 5mm \times 5mm QFN Package

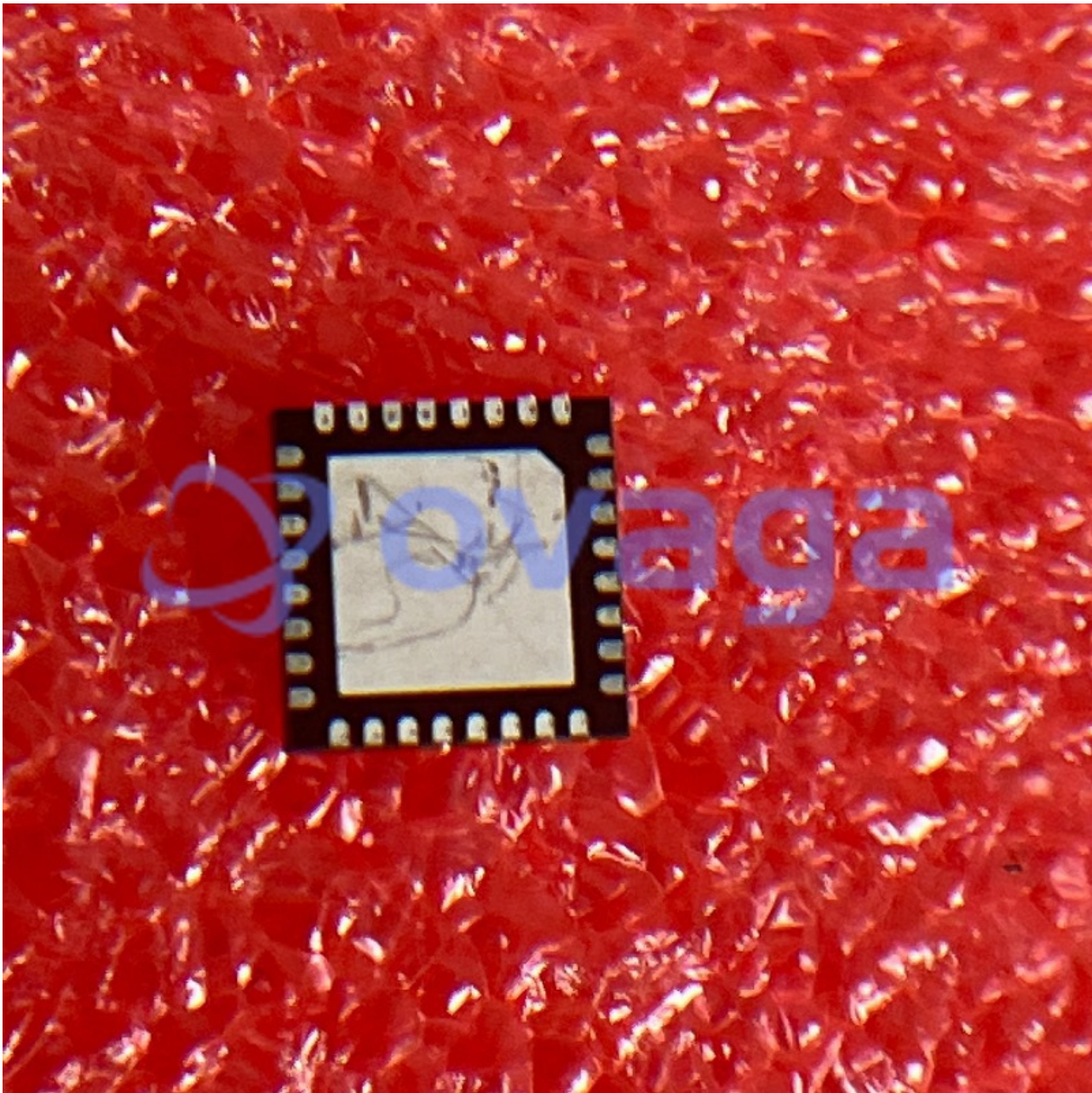
Application

Notebook and Palmtop Computers, PDAs

Digital Signal Processors

Network Servers





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