

Synchronous SEPIC/Inverting/Boost Controller with Output Current Control

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	20-Lead TSSOP w/ EP
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT8710IFE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT8710 is a synchronous PWM DC/DC controller with a rail-to-rail output current monitor and control. The LT8710 is ideal for many types of power supply topologies and can be easily configured for boost, SEPIC, inverting, or flyback configurations.

The LT8710's rail-to-rail output current monitor and control allows the part to be configured in current limited applications such as battery charging. The FLAG pin can be used as a power good indication or C/10 indication allowing for accurate bulk and float battery voltages.

The LT8710's switching frequency range can be set between 100kHz and 750kHz using an external resistor or synchronized to an external clock.

The LT8710 also features innovative EN/FBIN pin circuitry that allows for slowly varying input signals and an adjustable undervoltage lockout function. The pin is also used for input voltage regulation to avoid collapsing a high impedance input supply. Additional features such as frequency foldback and soft-start are integrated. The LT8710 is available in a 20-lead TSSOP package.

## Features

Wide Input Range: 4.5V to 80V

Rail-to-Rail Output Current Monitor and Control

Input Voltage Regulation for High Impedance Inputs

C/10 or Power Good Indication Pin

MODE Pin for Forced CCM or Pulse-Skipping Operation

Switching Frequency Up to 750kHz

Easily Configurable as a Boost, SEPIC, Inverting or Flyback Converter with Single Feedback Pin

Can Be Synchronized to External Clock

High Gain EN/FBIN Pin Accepts Slowly Varying Input Signals

20-Lead TSSOP Package

## Application

High Power Local Power Supply

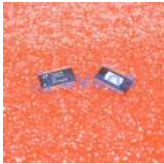
Wide Input Voltage Range SEPIC/Inverting

Lead Acid Battery Charger

Automotive Engine Control Unit (ECU) Power

Solar Panel Power Converter

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

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QFN-24



### [LTC3440EMS](#)

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### [LTC1966CMS8#PBF](#)

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### [LTM8045EY#PBF](#)

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