

Monitor 2.7V to 3.6V Automotive 28-Pin QFN EP Tube

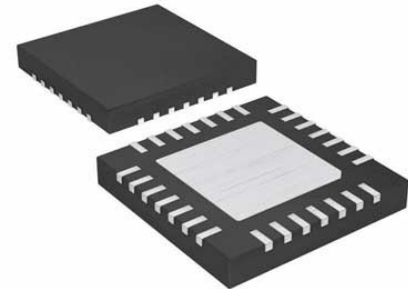
Manufacturers [Microchip Technology, Inc](#)

Package/Case QFN-28

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MCP39F521-E/MQ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP39F521 is a highly integrated, single-phase power-monitoring IC designed for real-time measurement of input power for AC/DC power supplies, providing power and energy values. It includes dual-channel delta sigma ADCs, a 16-bit calculation engine, EEPROM and a flexible 2-wire interface. An integrated low-drift voltage reference in addition to the 94.5 dB of SINAD performance on each measurement channel allows for better than 0.1% accurate designs across a 4000:1 dynamic range.

Features

Built-In Calculations on Fast 16-Bit Processing Core

Active, Reactive, Apparent Power

Active and Reactive Energy Accumulation

True RMS Current, RMS Voltage

Line Frequency, Power Factor

Dedicated Zero Crossing Detection (ZCD) Pin

Dedicated PWM Output Pin

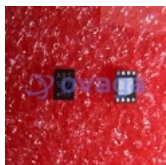
Automatic Event Pin Control through Fast Voltage Surge Detection

Fast Calibration Routines

I2C Interface

AEC-Q100Grade 1

Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc
DFN-8



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc
SOT-23



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc
SOT-223-5



[MCP1702T-2502E/CB](#)

Microchip Technology, Inc
SOT-23A-3



[MCP1700T-2502E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc
TDFN-6



[MCP1703T-5002E/CB](#)

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SOT-23A-3