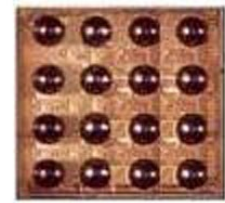


Monitor 2.7V to 5.5V Automotive 16-Pin WLCSP T/R

Images are for reference only

[Inquiry](#)**Manufacturer:** [Microchip Technology, Inc](#)**Package/Case:** WLCSP16**Product Type:** Power Management ICs**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active**General Description**

The PAC1934 is a four channel power/energy monitor with current sensor amplifier and bus voltage monitors that feed high resolution ADCs. Digital circuitry performs power calculations and energy accumulation. The PAC1934 enables energy monitoring with integration periods from 1 ms to up to 36 hours. Bus voltage, sense resistor voltage, and accumulated proportional power are stored in registers for retrieval by the system master or embedded controller.

The sampling rate and energy integration period can be controlled over SMBus or I2C. Active channel selection, one-shot measurements, and other controls are also configurable. The PAC1934 uses real time calibration to minimize offset and gain errors. No input filters are required for this device.

For product comparison, please consider:PAC1934

Key Features

High-Side Current Sensor (4 Channels)

100 mV full scale voltage sense range, 16-bit resolution

Bidirectional or unidirectional options

Wide Bus Voltage Measurement Range 0V to 32V, 16-Bit Resolution

1% Power Measurement Accuracy Over a Wide Dynamic Range

On-Chip Accumulation of 28-Bit Power Results for Energy Measurement

48-bit power accumulator register for recording data

24-bit accumulator count

User programmable sampling rates of 8, 64, 256, 1024 samples per second

36 hours of power data accumulation at 8 samples per second

2.7V to 5.5V Supply Operation

Separate I/O Pin for Digital I/O 1.62-5.5V

I2C® Fast Mode Plus (1Mp/S) and SMBus 3.0

WLCSP package (2.225 x 2.17)

Application

WIN10 laptop, tablet, workstation, cell phone

Networking

Automotive

Linux® Systems

Linux, Microsoft®, and Cloud Servers

Industrial

Recommended For You

TC429CPA

Microchip Technology, Inc

DIP8

TC4420EPA

Microchip Technology, Inc

DIP8

TC1232CPA

Microchip Technology, Inc

DIP8

TC4427AEPA

Microchip Technology, Inc

DIP8

TC4420CPA

Microchip Technology, Inc

DIP8

TC4422EPA

Microchip Technology, Inc

DIP8

TC4421CPA

Microchip Technology, Inc

DIP8

PAC1934T-I/JQ

Microchip Technology, Inc

UQFN16

TC4425CPA

Microchip Technology, Inc

DIP8

TC1411CPA

Microchip Technology, Inc

DIP8

TC1426CPA

Microchip Technology, Inc

DIP8

TC4423CPA

Microchip Technology, Inc

DIP8

TC4431CPA

Microchip Technology, Inc

DIP8

TC4427ACPA

Microchip Technology, Inc

DIP8

TC7660SCPA

Microchip Technology, Inc

DIP-8