

4-Channel Single ADC SAR 100ksps 12-bit Serial Automotive 14-Pin PDIP Tube



Images are for reference only

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The MCP3204 12-bit Analog-to-Digital Converter (ADC) combines high performance and low power consumption in a small package, making it ideal for embedded control applications. The MCP3204 features a successive approximation register (SAR) architecture and an industry-standard SPI™ serial interface, allowing 12-bit ADC capability to be added to any PICmicro® microcontroller. The MCP3204 features 100k samples/second, 4 input channels, low power consumption (5nA typical standby, 400 µA max. active), and is available in 14-pin PDIP, SOIC and TSSOP packages. Applications for the MCP3204 include data acquisition, instrumentation and measurement, multi-channel data loggers, industrial PCs, motor control, robotics, industrial automation, smart sensors, portable instrumentation and home medical appliances.

Key Features

Analog inputs programmable as single-ended or pseudo-differential pairs

Low power CMOS technology

Recommended For You

MCP3911A0-E/SS

Microchip Technology, Inc

SSOP20

MCP3008-I/P

Microchip Technology, Inc

DIP-16

MCP3201T-CI/SN

Microchip Technology, Inc

SOP8

MCP3208-CI/P

Microchip Technology, Inc

DIP

MCP3001-I/SN

Microchip Technology, Inc

SOP8

MCP3208-BI/P

Microchip Technology, Inc

DIP-16

MCP4822-E/P

Microchip Technology, Inc

DIP-8

MCP3421A0T-E/CH

Microchip Technology, Inc

SOT23-6

MCP3425A0T-E/CH

Microchip Technology, Inc

SOT23-6

MCP3427-E/UN

Microchip Technology, Inc

MSOP10

MCP3550-50E/SN

Microchip Technology, Inc

SOP8

MCP3422A0-E/SN

Microchip Technology, Inc

SOP-8

MCP3553-E/SN

Microchip Technology, Inc

SOP8

MCP3422A1-E/SN

Microchip Technology, Inc

SOP-8

MCP3208T-CI/SL

Microchip Technology, Inc

SOP