


1-Channel Single ADC SAR 100ksps 12-bit Serial Automotive 8-Pin SOIC N T/R



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP8
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The MCP3201 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 MCP3201 features a successive approximation register (SAR) architecture and an industry-standard SPI serial interface, allowing 12-bit ADC capability to be added to any PIC® microcontroller. The MCP3201 features 100k samples/second, 1 input channel, low power consumption (5nA typical standby, 400µA max. active), and is available in 8-pin PDIP, SOIC and TSSOP packages. Applications for the MCP3201 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

AEC-Q100Grade 3



Recommended For You

MCP3911A0-E/SS

Microchip Technology, Inc
SSOP20

MCP3008-I/P

Microchip Technology, Inc
DIP-16

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

MCP3204-BI/P

Microchip Technology, Inc
DIP14