

## Digital Potentiometer 100kOhm 256POS Volatile Linear Automotive 8-Pin PDIP Tube



Images are for reference only

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** PDIP

**Product Type:** Data Conversion ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The MCP41/425X devices are volatile, 8-bit (257 wiper steps) digital potentiometers with an SPI compatible interface. The MCP41/42XX family is available with end-to-end resistor values of 5K $\Omega$ , 10K $\Omega$ , 50k $\Omega$  and 100K $\Omega$ . These devices offer a variety of configurations simplifying design while minimizing cost, package size and pin count.

### Key Features

Potentiometer or rheostat configuration

Zero scale to full-scale wiper operation

High-speed read/writes to wiper registers

Resistor network terminal disconnect via shutdown pin (SHDN) and terminal control (TCON) register

Supports split rail applications

Internal weak pull-up on all digital inputs

-3dB Wide bandwidth operation

75R Typical low wiper resistance

Up to 12.5V high-voltage tolerant digital inputs

1.5V Typical brown-out reset protection

2.5 $\mu$ A Typical serial interface inactive current

### Recommended For You

#### MCP41010-I/SN

Microchip Technology, Inc

SOP8

#### MCP4011-103E/MS

Microchip Technology, Inc

MSOP8

#### MCP42100-E/ST

Microchip Technology, Inc

TSSOP14

**MCP40D18T-103E/LT**

Microchip Technology, Inc  
SC70-6

**MCP4231-103E/P**

Microchip Technology, Inc  
PDIP14

**MCP41010-I/P**

Microchip Technology, Inc  
DIP8

**MCP4151-103E/P**

Microchip Technology, Inc  
PDIP

**MCP41HV51-502E/ST**

Microchip Technology, Inc  
TSSOP14

**MCP4011-503E/SN**

Microchip Technology, Inc  
SOP-8

**MCP4017T-104E/LT**

Microchip Technology, Inc  
SC70-6

**MCP4151-503E/P**

Microchip Technology, Inc  
PDIP-8

**MCP4151-103E/SN**

Microchip Technology, Inc  
SOP8

**MCP4011-103E/SN**

Microchip Technology, Inc  
SOP8

**MCP42010-I/ST**

Microchip Technology, Inc  
TSSOP14

**MCP4011-202E/SN**

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