


## Digital Potentiometer 5kOhm 256POS Non-Volatile Linear Automotive 14-Pin PDIP Tube

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	PDIP-14
<b>Product Type:</b>	Data Conversion ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The MCP41/426X devices are non-volatile, 8-bit (257 wiper steps) digital potentiometers with EEPROM and 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 WiperLock™ Technology which allows the user unlimited reprogramming and locking of the wiper setting. It is useful for equipment that requires factory trimming or recalibration. The MCP41/42XX devices offer a variety of configurations simplifying design while minimizing cost, package size and pin count.

### Key Features

8-bit: 256 Resistors with Taps to VSS and VDD

SPI compatible interace

Automatic Recall of Potentiometer Wiper Settings

Resistance Values: 5k $\Omega$ , 10k $\Omega$ , 50k $\Omega$ , 100k $\Omega$

Low Tempco:

Absolute (Rheostat): <100 ppm (typ.)

Ratiometric (Potentiometer): <10 ppm (typ.)

Low Wiper Resistance: 100 $\Omega$  (typ.)

WiperLock™ Technology to Secure the EEPROM

Low-Power Operation: 1 $\mu$ A Max Static Current

Wide Operating Voltage: 2.7V to 5.5V

Extended Temperature Range: -40°C to +125°C

### 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

**MCP4151-104E/P**

Microchip Technology, Inc  
PDIP

**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