



Image may be representation.  
See specifications for product details.



## MCP4152-502E/SN

Manufacturer Part Number	<b>MCP4152-502E/SN</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP4152-502E/SN
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DGTL POT 5KOHM 257TAP 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCP4152-502E/SN - Microchip Technology.New Original in Stock. Download Linear Technology MCP4152-502E/SN datasheet/specifications on AllelcoElec.com.  
Request a quote for MCP4152-502E/SN, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP4152-502E/SN Tech Specifications  
MCP4152-502E/SN - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tube
Voltage - Supply	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 125°C
Tolerance	±20%	Number of Taps	257
Temperature Coefficient (Typ)	150ppm/°C	Number of Circuits	1
Taper	Linear	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Memory Type	Volatile
Series	-	Interface	SPI
Resistance - Wiper (Ohms) (Typ)	75	Features	-
Resistance (Ohms)	5k	Configuration	Rheostat
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	MCP4152

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4152-502E/SN

Product Attribute				
Part Number	MCP4152-502E/SN	<b>MCP4161-503E/SN</b>	<b>MCP4151-103E/SN</b>	<b>MCP4151T-103E/SN</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of Circuits	1	1	1	1
Resistance (Ohms)	5k	50k	10k	10k
Base Product Number	MCP4152	MCP4161	MCP4151	MCP4151
Package	Tube	Tube	Tube	Tape & Reel (TR)
Memory Type	Volatile	Non-Volatile	Volatile	Volatile
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Taper	Linear	Linear	Linear	Linear
Features	-	-	-	-
Resistance - Wiper (Ohms) (Typ)	75	75	75	75
Temperature Coefficient (Typ)	150ppm/°C	150ppm/°C	150ppm/°C	150ppm/°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	WiperLock™	-	-
Interface	SPI	SPI	SPI	SPI
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Tolerance	±20%	±20%	±20%	±20%
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Configuration	Rheostat	Potentiometer	Potentiometer	Potentiometer
Number of Taps	257	257	257	257

### MCP4152-502E/SN Datasheet PDF

Download MCP4152-502E/SN pdf datasheets and Microchip Technology documentation for MCP4152-502E/SN - Microchip Technology.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging






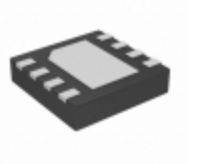







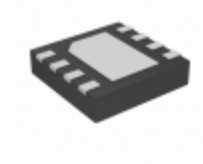

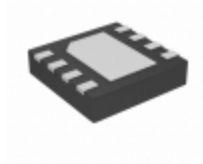


[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

#### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

					
<b>MCP4161-503E/SN</b> Microchip Technology IC DGTL POT 50KOHM 257TAP 8SOIC	<b>MCP4151-103E/SN</b> Microchip Technology IC DGTL POT 10KOHM 257TAP 8SOIC	<b>MCP4151T-103E/SN</b> Microchip Technology IC DGTL POT 10KOHM 257TAP 8SOIC	<b>MCP4161-502E/SN</b> Microchip Technology IC DGTL POT 50KOHM 257TAP 8SOIC	<b>MCP4161T-103E/SN</b> Microchip Technology IC DGTL POT 10KOHM 257TAP 8SOIC	<b>MCP4161-103E/MF</b> Microchip Technology IC DGT POT 10KOHM 257TAP 8DFN
					
<b>MCP4141-502E/SN</b> Microchip Technology IC DGTL POT 50KOHM 129TAP 8SOIC	<b>MCP4161-103E/SN</b> Microchip Technology IC DGTL POT 10KOHM 257TAP 8SOIC	<b>MCP4152-502E/P</b> Microchip Technology IC DGTL POT 50KOHM 257TAP 8DIP	<b>MCP4141-503E/MS</b> Microchip Technology IC DGTL POT 50KOHM 129TAP 8MSOP	<b>MCP4142-502E/SN</b> Microchip Technology IC DGTL POT 50KOHM 129TAP 8SOIC	<b>MCP4142T-103E/MS</b> Microchip Technology IC DGTL POT 10KOHM 129TAP 8MSOP
					
<b>MCP4161-503E/MS</b> Microchip Technology IC DGTL POT 50KOHM 257TAP 8MSOP	<b>MCP4142-103E/MF</b> Microchip Technology IC DGT POT 10KOHM 129TAP 8DFN	<b>MCP4161T-503E/SN</b> Microchip Technology IC DGTL POT 50KOHM 257TAP 8SOIC	<b>MCP4162-103E/MF</b> Microchip Technology IC DGT POT 10KOHM 257TAP 8DFN	<b>MCP4152-104E/P</b> Microchip Technology IC DGTL POT 100KOHM 257TAP 8DIP	<b>MCP4141T-502E/SN</b> Microchip Technology IC DGTL POT 50KOHM 129TAP 8SOIC

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

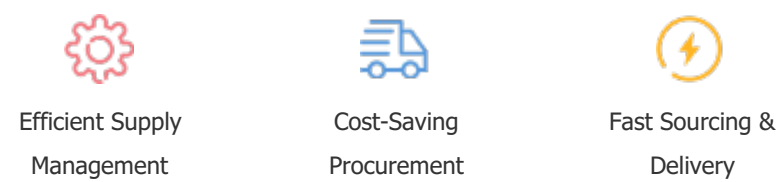
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

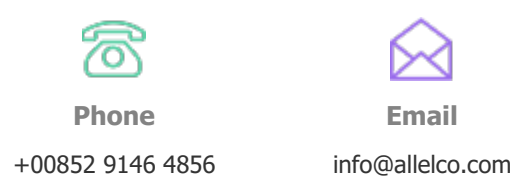
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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