

Image may be representation.  
See specifications for product details.



## MCP4801T-E/MC

Manufacturer Part Number	<b>MCP4801T-E/MC</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP4801T-E/MC
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 8BIT V-OUT 8DFN
Package	8-VDFDN Exposed Pad
Data sheet	<b>MCP4801/11/21.pdf</b>
RoHs Status	ROHS3 Compliant

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MCP4801T-E/MC - Microchip Technology. New Original in Stock. Download Linear Technology MCP4801T-E/MC datasheet/specifications on AllelcoElec.com. Request a quote for MCP4801T-E/MC, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP4801T-E/MC Tech Specifications

MCP4801T-E/MC - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 125°C
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of D/A Converters	1
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of Bits	8
Supplier Device Package	8-DFN (2x3)	Mounting Type	Surface Mount
Settling Time	4.5µs (Typ)	INL/DNL (LSB)	±0.25, ±0.2
Series	-	Differential Output	No
Reference Type	Internal	Data Interface	SPI
Package / Case	8-VDFDN Exposed Pad	Base Product Number	MCP4801
Package	Tape & Reel (TR)	Architecture	String DAC
Output Type	Voltage - Buffered		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4801T-E/MC

Product Attribute				
Part Number	MCP4801T-E/MC	MCP4802-E/MS	MCP4811-E/MS	MCP4728T-E/UN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	-	-	-	-
Supplier Device Package	8-DFN (2x3)	8-MSOP	8-MSOP	10-MSOP
Reference Type	Internal	Internal	Internal	Internal, Supply
Differential Output	No	No	No	No
Package / Case	8-VDFDN Exposed Pad	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)	10-TFSOP, 10-MSOP (0.118', 3.00mm Width)
Settling Time	4.5µs (Typ)	4.5µs (Typ)	4.5µs (Typ)	6µs (Typ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Type	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Architecture	String DAC	String DAC	String DAC	String DAC
Number of Bits	8	8	10	12
Number of D/A Converters	1	2	1	4
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Base Product Number	MCP4801	MCP4802	MCP4811	MCP4728
INL/DNL (LSB)	±0.25, ±0.2	±0.25, ±0.2	±1, ±0.2	±2, ±0.2
Data Interface	SPI	SPI	SPI	I <sup>2</sup> C
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)

### MCP4801T-E/MC Datasheet PDF

Download MCP4801T-E/MC pdf datasheets and Microchip Technology documentation for MCP4801T-E/MC - Microchip Technology.

#### Datasheets

[MCP4801/11/21.pdf](#)

#### PCN Packaging

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


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

#### PCN Design/Specification

[Lead Frame Update 29/Jun/2015.pdf](#)

[Mold Compound Update 18/Feb/2015.pdf](#)

## Other Related Documents

 Development Tools Catalog.pdf

## PCN Assembly/Origin

 Assembly Site 27/Jan/2021.pdf

## Customers Also Interested in

### Recommended Products



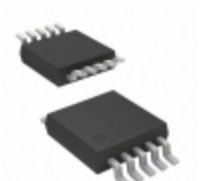
#### MCP4802-E/MS

Microchip Technology  
IC DAC 8BIT V-OUT 8MSOP



#### MCP4811-E/MS

Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



#### MCP4728T-E/UN

Microchip Technology  
IC DAC 12BIT V-OUT 10MSOP



#### MCP47FEB22A0T-E/ST

Microchip Technology  
IC DAC 12BIT V-OUT 8TSSOP



#### MCP4812-E/MS

Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



#### MCP4811-E/P

Microchip Technology  
IC DAC 10BIT V-OUT 8DIP



#### MCP4802-E/P

Microchip Technology  
IC DAC 8BIT V-OUT 8DIP



#### MCP4801-E/SN

Microchip Technology  
IC DAC 8BIT V-OUT 8SOIC



#### MCP4802-E/SN

Microchip Technology  
IC DAC 8BIT V-OUT 8SOIC



#### MCP47FEB12A2-E/ST

Microchip Technology  
IC DAC 10BIT V-OUT 8TSSOP



#### MCP4812T-E/MS

Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



#### MCP47FEB12A0T-E/ST

Microchip Technology  
IC DAC 10BIT V-OUT 8TSSOP



#### MCP47A1T-A0E/LT

Microchip Technology  
IC DAC 6BIT V-OUT SC70-6



#### MCP47DA1T-A0E/OT

Microchip Technology  
IC DGTL POT 30KOHM 65TAP  
SOT23-6



#### MCP4811T-E/MS

Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



#### MCP4821-E/MS

Microchip Technology  
IC DAC 12BIT V-OUT 8MSOP



#### MCP47DA1T-A1E/OT

Microchip Technology  
IC DGTL POT 30KOHM 65TAP  
SOT23-6



#### MCP4812-E/SN

Microchip Technology  
IC DAC 10BIT V-OUT 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 -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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### Certifications & Memberships



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