

Image may be representation.
See specifications for product details.



MCP16301T-I/CHY

Manufacturer Part Number	MCP16301T-I/CHY
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP16301T-I/CHY
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BUCK ADJ 600MA SOT23-6
Package	SOT-23-6
Data sheet	Cylindrical Battery Holders.pdf MCP16301/H Datasheet.pdf
RoHs Status	ROHS3 Compliant

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MCP16301T-I/CHY - Microchip Technology. New Original in Stock. Download Linear Technology MCP16301T-I/CHY datasheet/specifications on AllelcoElec.com. Request a quote for MCP16301T-I/CHY, please send us email: info@allelco.com

Specifications

MCP16301T-I/CHY Tech Specifications
MCP16301T-I/CHY - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	2V	Output Type	Adjustable
Voltage - Output (Max)	15V	Output Configuration	Positive
Voltage - Input (Min)	4V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	30V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Step-Down
Supplier Device Package	SOT-23-6	Frequency - Switching	500kHz
Series	-	Current - Output	600mA
Package / Case	SOT-23-6	Base Product Number	MCP1630

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP16301T-I/CHY

Product Attribute				
Part Number	MCP16301T-I/CHY	MCP16251T-I/MNY	MCP16311T-E/MNY	MCP16311-E/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Input (Max)	30V	5.5V	30V	30V
Current - Output	600mA	100mA (Switch)	1A	1A
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Function	Step-Down	Step-Up	Step-Down	Step-Down
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Number of Outputs	1	1	1	1
Output Configuration	Positive	Positive	Positive	Positive
Frequency - Switching	500kHz	500kHz	500kHz	500kHz
Voltage - Output (Min/Fixed)	2V	1.8V	2V	2V
Synchronous Rectifier	No	Yes	Yes	Yes
Voltage - Input (Min)	4V	0.82V	4.4V	4.4V
Supplier Device Package	SOT-23-6	8-TDFN (2x3)	8-TDFN (2x3)	8-MSOP
Package / Case	SOT-23-6	8-WDFDN Exposed Pad	8-WDFDN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Series	-	-	-	-
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 85°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Base Product Number	MCP1630	MCP16251	MCP16311	MCP16311
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Topology	Buck	Boost	Buck	Buck
Voltage - Output (Max)	15V	5.5V	24V	24V

MCP16301T-I/CHY Datasheet PDF

Download MCP16301T-I/CHY pdf datasheets and Microchip Technology documentation for MCP16301T-I/CHY - Microchip Technology.

Datasheets


[Cylindrical Battery Holders.pdf](#)

PCN Packaging


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

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


Design Resources

 Portable Power Conversion Design Guide.pdf

PCN Assembly/Origin


 Qualification SOT-23-6L COL Package 04/Sep/2013.pdf

PCN Design/Specification

 MCP16301(H) Datasheet Revision 12/Nov/2013.pdf

 MCP16301/MCP16301H 15/Jan/2021.pdf

HTML Datasheet

 MCP16301/H Datasheet.pdf

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Recommended Products



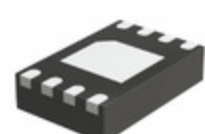
MCP1623T-I/CHY

Microchip Technology
IC REG PIC MICROCTRL 10OUT
SOT23



MCP16251T-I/MNY

Microchip Technology
IC REG BOOST ADJ 100MA 8TDFN



MCP16311T-E/MNY

Microchip Technology
IC REG BUCK ADJUSTABLE 1A
8TDFN

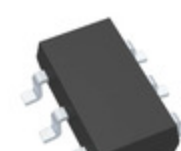


MCP16311



MCP1631-E/SS

Microchip Technology
IC REG CTRLR SEPIC 20SSOP



MCP1624T-I/CHY

Microchip Technology
IC REG PIC MICROCTRL 10OUT
SOT23



MCP1630V-E/MS

Microchip Technology
IC REG CTRLR MULT TOPOLOGY
8MSOP



MCP16311-E/MS

Microchip Technology
IC REG BUCK ADJUSTABLE 1A
8MSOP



MCP16301HT-E/CH

Microchip Technology
IC REG BUCK ADJ 600MA SOT23-6



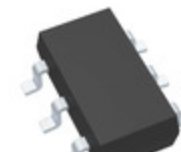
MCP16301T-E/CH

Microchip Technology
IC REG BUCK ADJ 600MA SOT23-6



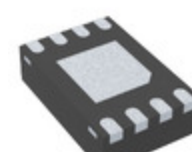
MCP1630-E/MS

Microchip Technology
IC REG CTRLR MULT TOPOLOGY
8MSOP



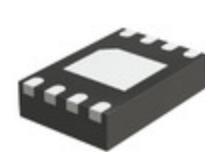
MCP16252T-I/CH

Microchip Technology
IC REG BOOST ADJ 100MA SOT23-6



MCP1624T-I/MC

Microchip Technology
IC REG PIC MICROCTRL 10OUT
8DFN



MCP16252T-I/MNY

Microchip Technology
IC REG BOOST ADJ 100MA 8TDFN



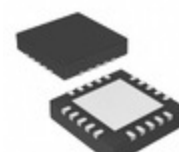
MCP1631-E/ST

Microchip Technology
IC REG CTRLR SEPIC 20TSSOP



MCP16251T-I/CH

Microchip Technology
IC REG BOOST ADJ 100MA SOT23-6



MCP1631-E/ML

Microchip Technology
IC REG CTRLR SEPIC 20QFN



MCP1630VT-E/MS

Microchip Technology
IC REG CTRLR MULT TOPOLOGY
8MSOP

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 Alleco 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

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



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