



Image may be representation.
See specifications for product details.



MCP1631HV-500E/ST

Manufacturer Part Number **MCP1631HV-500E/ST**

Manufacturer **Microchip Technology**

Allelco Part Number 32D-MCP1631HV-500E/ST

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC REG CTRLR SEPIC 20TSSOP**

Package **20-TSSOP (0.173", 4.40mm Width)**

Data sheet **MCP1631(HV,V,VHV).pdf**

MCP1631HV Battery Charger RD.pdf

MCP1631HV Current Source RD.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

MCP1631HV-500E/ST - Microchip Technology. New Original in Stock. Download Linear Technology MCP1631HV-500E/ST datasheet/specifications on AllelcoElec.com. Request a quote for MCP1631HV-500E/ST, please send us email: info@allelco.com

Specifications

MCP1631HV-500E/ST Tech Specifications

MCP1631HV-500E/ST - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Output Configuration	Positive
Voltage - Supply (Vcc/Vdd)	3.5V ~ 16V	Operating Temperature	-40°C ~ 125°C (TJ)
Topology	Sepic	Number of Outputs	1
Synchronous Rectifier	No	Mounting Type	Surface Mount
Supplier Device Package	20-TSSOP	Function	Step-Up/Step-Down
Series	-	Frequency - Switching	-
Serial Interfaces	-	Duty Cycle (Max)	-
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Control Features	Enable, Frequency Control, Ramp
Package	Tube	Clock Sync	No
Output Type	Transistor Driver	Base Product Number	MCP1631
Output Phases	1		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1631HV-500E/ST

Product Attribute				
Part Number	MCP1631HV-500E/ST	MCP1631-E/ST	MCP1631T-E/ML	MCP1632-BAE/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Output Type	Transistor Driver	Transistor Driver	Transistor Driver	Transistor Driver
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Supply (Vcc/Vdd)	3.5V ~ 16V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Frequency - Switching	-	-	-	600kHz
Duty Cycle (Max)	-	-	-	85%
Serial Interfaces	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Topology	Sepic	Sepic	Sepic	Boost, Cuk, Flyback, SEPIC
Package	Tube	Tube	Tape & Reel (TR)	Tube
Control Features	Enable, Frequency Control, Ramp	Enable, Frequency Control, Ramp	Enable, Frequency Control, Ramp	Enable
Base Product Number	MCP1631	MCP1631	MCP1631	MCP1632
Output Phases	1	1	1	1
Output Configuration	Positive	Positive	Positive	Positive
Function	Step-Up/Step-Down	Step-Up/Step-Down	Step-Up/Step-Down	Step-Up, Step-Up/Step-Down
Number of Outputs	1	1	1	1
Clock Sync	No	No	No	No
Package / Case	20-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173", 4.40mm Width)	20-VFQFN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Supplier Device Package	20-TSSOP	20-TSSOP	20-QFN (4x4)	8-MSOP
Synchronous Rectifier	No	No	No	No

MCP1631HV-500E/ST Datasheet PDF

Download MCP1631HV-500E/ST pdf datasheets and Microchip Technology documentation for MCP1631HV-500E/ST - Microchip Technology.

Datasheets

MCP1631(HV,V,VHV).pdf

MCP1631HV Battery Charger RD.pdf

MCP1631HV Current Source RD.pdf

PCN Packaging

Other Related Documents

PCN Design/Specification

Customers Also Interested in

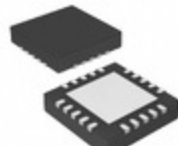
Recommended Products



MCP1631-E/ST
Microchip Technology
IC REG CTRLR SEPIC 20TSSOP



MCP16311-E/MS
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 8MSOP



MCP1631T-E/ML
Microchip Technology
IC REG CTRLR SEPIC 20QFN



MCP1632-BAE/MS
Microchip Technology
IC REG CTRLR MULT TOPOLOGY 8MSOP



MCP1631T-E/ST
Microchip Technology
IC REG CTRLR SEPIC 20TSSOP



MCP16331T-E/CH
Microchip Technology
IC REG BUCK ADJ 500MA SOT23-6



MCP16312-E/MS
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 8MSOP



MCP16322T-180E/NG
Microchip Technology
IC REG BUCK 1.8V 2A 16QFN



MCP16321T-250E/NG
Microchip Technology
IC REG BUCK 2.5V 1A 16QFN



MCP1631VT-E/SS
Microchip Technology
IC REG CTRLR SEPIC 20SSOP



MCP1631HV-330E/SS
Microchip Technology
IC REG CTRLR SEPIC 20SSOP



MCP1631HV-330E/ST
Microchip Technology
IC REG CTRLR SEPIC 20TSSOP



MCP16311



MCP16312T-E/MNY
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 8TDFN



MCP16311T-E/MS
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 8MSOP



MCP1632-AAE/MS
Microchip Technology
IC REG CTRLR MULT TOPOLOGY 8MSOP



MCP16311T-E/MNY
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 8TDFN



MCP16321T-ADJE/NG
Microchip Technology
IC REG BUCK ADJUSTABLE 1A 16QFN

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

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Certifications & Memberships



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