

Image may be representation.  
See specifications for product details.



## MCP1640T-I/MC

Manufacturer Part Number	<b>MCP1640T-I/MC</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP1640T-I/MC
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BOOST ADJ 350MA 8DFN
Package	8-VFDFN Exposed Pad
Data sheet	<a href="#">MCP1640 Single Quad-A Battery Boost Conv Ref Desig.pdf</a> <a href="#">MCP1640(B,C,D) Datasheet.pdf</a>
RoHs Status	ROHS3 Compliant

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MCP1640T-I/MC - Microchip Technology. New Original in Stock. Download Linear Technology MCP1640T-I/MC datasheet/specifications on AllelcoElec.com.  
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## Specifications

MCP1640T-I/MC Tech Specifications

MCP1640T-I/MC - 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)	5.5V	Output Configuration	Positive
Voltage - Input (Min)	0.8V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	5.5V	Number of Outputs	1
Topology	Boost	Mounting Type	Surface Mount
Synchronous Rectifier	Yes	Function	Step-Up
Supplier Device Package	8-DFN (2x3)	Frequency - Switching	500kHz
Series	-	Current - Output	350mA
Package / Case	8-VFDFN Exposed Pad	Base Product Number	MCP1640

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1640T-I/MC

Product Attribute				
Part Number	MCP1640T-I/MC	<a href="#">MCP16414-I/MN</a>	<a href="#">MCP16416-I/UN</a>	<a href="#">MCP16416T-I/UN</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Synchronous Rectifier	Yes	Yes	Yes	Yes
Current - Output	350mA	600mA	600mA	600mA
Output Configuration	Positive	Positive	Positive	Positive
Base Product Number	MCP1640	MCP16414	MCP16416	MCP16416
Package / Case	8-VFDFN Exposed Pad	10-WFDFN Exposed Pad	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Function	Step-Up	Step-Up	Step-Up	Step-Up
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Output (Max)	5.5V	5.25V	5.25V	5.25V
Voltage - Input (Min)	0.8V	0.82V	0.82V	0.82V
Series	-	-	-	-
Frequency - Switching	500kHz	500kHz	500kHz	500kHz
Number of Outputs	1	1	1	1
Supplier Device Package	8-DFN (2x3)	10-TDFN (3x3)	10-MSOP	10-MSOP
Voltage - Input (Max)	5.5V	5.25V	5.25V	5.25V
Voltage - Output (Min/Fixed)	2V	1.8V	1.8V	1.8V
Topology	Boost	Boost	Boost	Boost
Output Type	Adjustable	Adjustable	Adjustable	Adjustable

## MCP1640T-I/MC Datasheet PDF

Download MCP1640T-I/MC pdf datasheets and Microchip Technology documentation for MCP1640T-I/MC - Microchip Technology.

### PCN Packaging

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

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


### Design Resources

[Portable Power Conversion Design Guide.pdf](#)

### Other Related Documents

 Cylindrical Battery Holders.pdf

## HTML Datasheet

 MCP1640 Single Quad-A Battery Boost Conv Ref Desig.pdf

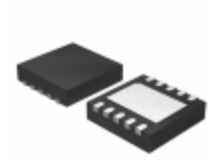
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## PCN Design/Specification

 MCP1640/B/C/D 11/Nov/2021.pdf

## Customers Also Interested in

### Recommended Products



**MCP16414-I/MN**  
Microchip Technology  
IC LOW PWR BOOST CONVERTER



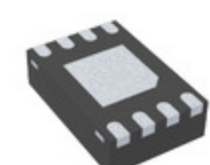
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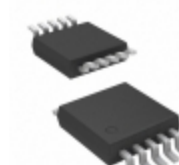
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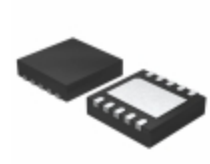
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**MCP1640C-I/MC**  
Microchip Technology  
IC REG BOOST ADJ 350MA 8DFN



**MCP16413T-I/UN**  
Microchip Technology  
IC LOW PWR BOOST CONVERTER



**MCP16415-I/MN**  
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IC LOW PWR BOOST CONVERTER



**MCP1640T-I/CHY**  
Microchip Technology  
IC REG BOOST ADJ 350MA SOT23-6



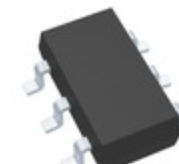
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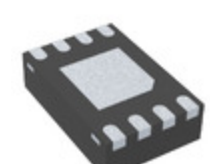
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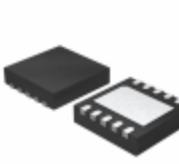
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IC REG BOOST ADJ 350MA SOT23-6



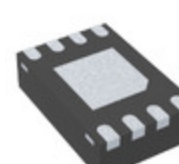
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IC REG BOOST ADJ 350MA SOT23-6



**MCP1640B-I/MC**  
Microchip Technology  
IC REG BOOST ADJ 350MA 8DFN



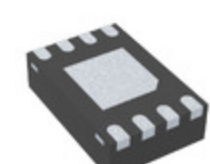
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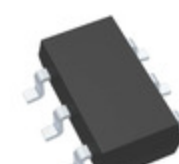
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**MCP1640BT-I/MC**  
Microchip Technology  
IC REG BOOST ADJ 350MA 8DFN



**MCP1640DT-I/CHY**  
Microchip Technology  
IC REG BOOST ADJ 350MA SOT23-6

## 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  
+00852 9146 4856



Email  
info@allelco.com

## Certifications & Memberships



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