

Image may be representation.  
See specifications for product details.



## MIC28515T-E/PHA

Manufacturer Part Number	<b>MIC28515T-E/PHA</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MIC28515T-E/PHA
ECAD Model	Request Free CAD Models
Parts Description	IC REG BUCK ADJUSTABLE 5A 32VQFN
Package	32-PowerVQFN
Data sheet	<b>MIC28515.pdf</b>
	<b>MIC28515.pdf</b>
RoHs Status	ROHS3 Compliant

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MIC28515T-E/PHA - Microchip Technology. New Original in Stock. Download Linear Technology MIC28515T-E/PHA datasheet/specifications on AllelcoElec.com. Request a quote for MIC28515T-E/PHA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MIC28515T-E/PHA Tech Specifications  
MIC28515T-E/PHA - 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)	0.6V	Output Type	Adjustable
Voltage - Output (Max)	32V	Output Configuration	Positive
Voltage - Input (Min)	4.5V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	75V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount, Wettable Flank
Synchronous Rectifier	Yes	Function	Step-Down
Supplier Device Package	32-VQFN (6x6)	Frequency - Switching	270kHz ~ 800kHz
Series	Hyper Speed Control®	Current - Output	5A
Package / Case	32-PowerVQFN	Base Product Number	MIC28515

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC28515T-E/PHA

Product Attribute				
Part Number	MIC28515T-E/PHA	MIC28510YJL-TR	MIC28513-1YFL-TR	MIC28513-2YFL-T5
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Function	Step-Down	Step-Down	Step-Down	Step-Down
Voltage - Output (Max)	32V	24V	38.25V	38.25V
Package / Case	32-PowerVQFN	28-PowerVQFN	24-VFQFN Exposed Pad	24-VFQFN Exposed Pad
Synchronous Rectifier	Yes	Yes	Yes	Yes
Supplier Device Package	32-VQFN (6x6)	28-QFN (5x6)	24-FCQFN (3x4)	24-FCQFN (3x4)
Number of Outputs	1	1	1	1
Series	Hyper Speed Control®	Hyper Speed Control®, SuperSwitcher II™	HyperLight Load®	Hyper Speed Control®
Voltage - Output (Min/Fixed)	0.6V	0.8V	0.8V	0.8V
Current - Output	5A	4A	4A	4A
Mounting Type	Surface Mount, Wettable Flank	Surface Mount	Surface Mount	Surface Mount
Frequency - Switching	270kHz ~ 800kHz	100kHz ~ 500kHz	340kHz ~ 680kHz	200kHz ~ 680kHz
Base Product Number	MIC28515	MIC28510	MIC28513	MIC28513
Voltage - Input (Min)	4.5V	4.5V	4.6V	4.6V
Output Configuration	Positive	Positive	Positive	Positive
Topology	Buck	Buck	Buck	Buck
Voltage - Input (Max)	75V	75V	45V	45V

### MIC28515T-E/PHA Datasheet PDF

Download MIC28515T-E/PHA pdf datasheets and Microchip Technology documentation for MIC28515T-E/PHA - Microchip Technology.

#### Datasheets

[MIC28515.pdf](#)

#### PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

#### PCN Assembly/Origin

## HTML Datasheet

MIC28515.pdf

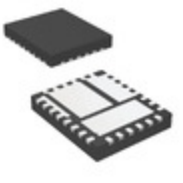

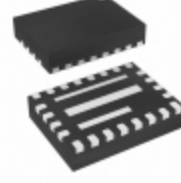
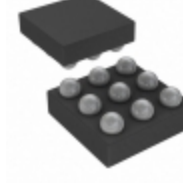
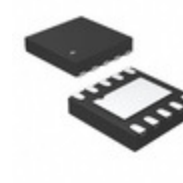


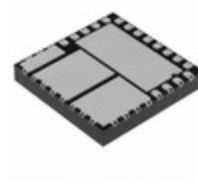

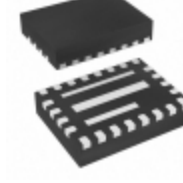



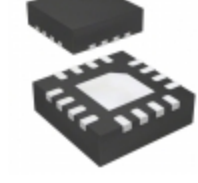

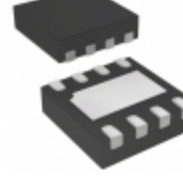
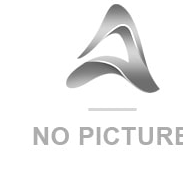
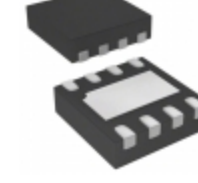
## PCN Design/Specification

MIC28515 01/Jul/2021.pdf

MIC28515 21/Dec/2020.pdf

## Customers Also Interested in

### Recommended Products

 <b>MIC28510YJL-TR</b> Microchip Technology IC REG BUCK ADJUSTABLE 4A 28MLF	 <b>MIC2844AYMT</b> Micrel / Microchip Technology	 <b>MIC28513-1YFL-TR</b> Microchip Technology IC REG BUCK ADJ 4A 24FCQFN	 <b>MIC2873YCS-TR</b> Microchip Technology IC LED DRVR RGLTR SGL WR 9WLCSP	 <b>MIC2843YMT-TR</b> Microchip Technology IC LED DRVR LIN DIM 20MA 10TMLF	 <b>MIC2860-2DYD6</b> Micrel / Microchip Technology
 <b>MIC28513-2YFL-T5</b> Microchip Technology IC REG BUCK ADJ 4A 24FCQFN	 <b>MIC28514T-E/PHA</b> Microchip Technology IC REG BUCK ADJUSTABLE 5A 32VQFN	 <b>MIC2860-2PYC6</b> Micrel / Microchip Technology	 <b>MIC28513-2YFL-TR</b> Microchip Technology IC REG BUCK ADJ 4A 24FCQFN	 <b>MIC28510YJL/TR</b> Micrel / Microchip Technology	 <b>MIC2860-2DYC6</b> Micrel / Microchip Technology
 <b>MIC2843YMT</b> Micrel / Microchip Technology	 <b>MIC2870YFT-TR</b> Microchip Technology IC LED DRV RGLTR I2C 1.5A 16TQFN	 <b>MIC2860-2PYC6-TR</b> Microchip Technology IC LED DRV LIN PWM 30.2MA SC70-6	 <b>MIC2876-AYMT-TR</b> Microchip Technology IC REG BOOST ADJ 3.8A 8TDFN	 <b>MIC2875-5.0YMT</b> MIC	 <b>MIC2876-AYMT-T5</b> Microchip Technology IC REG BOOST ADJ 3.8A 8TDFN

## 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
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### Certifications & Memberships



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