

Image may be representation.  
See specifications for product details.



## MAX16838AUP/V+T

Manufacturer Part Number	<b>MAX16838AUP/V+T</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX16838AUP/V+T
ECAD Model	Request Free CAD Models
Parts Description	IC LED DRVR RGLTR PWM 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width) Exposed Pad
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MAX16838AUP/V+T - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX16838AUP/V+T datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX16838AUP/V+T, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX16838AUP/V+T Tech Specifications  
MAX16838AUP/V+T - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Supply (Min)	4.55V	Number of Outputs	2
Voltage - Supply (Max)	40V	Mounting Type	Surface Mount
Voltage - Output	4.75V ~ 5.25V	Internal Switch(s)	Yes
Type	DC DC Regulator	Frequency	200kHz ~ 2MHz
Topology	SEPIC, Step-Down (Buck), Step-Up (Boost)	Dimming	PWM
Supplier Device Package	20-TSSOP-EP	Current - Output / Channel	150mA
Series	Automotive, AEC-Q100	Base Product Number	MAX16838
Package / Case	20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Applications	Automotive, Backlight
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX16838AUP/V+T

Product Attribute				
Part Number	MAX16838AUP/V+T	MAX16840ATB+T	MAX16841ASA+T	MAX16835ATE+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Supplier Device Package	20-TSSOP-EP	10-TDFN (3x3)	8-SOIC	16-TQFN (5x5)
Dimming	PWM	Analog	Triac	PWM
Voltage - Supply (Min)	4.55V	6.5V	11V	6.5V
Voltage - Supply (Max)	40V	48V	20V	40V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Number of Outputs	2	1	1	1
Topology	SEPIC, Step-Down (Buck), Step-Up (Boost)	SEPIC, Step-Down (Buck), Step-Up (Boost)	Flyback, Step-Down (Buck)	-
Current - Output / Channel	150mA	800mA	-	350mA
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TJ)
Frequency	200kHz ~ 2MHz	300kHz	50kHz ~ 300kHz	-
Base Product Number	MAX16838	MAX16840	MAX16841	MAX16835
Series	Automotive, AEC-Q100	-	-	-
Applications	Automotive, Backlight	-	Lighting	Automotive
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Type	DC DC Regulator	AC DC Offline Switcher	AC DC Offline Switcher	Linear
Internal Switch(s)	Yes	Yes	No	Yes
Voltage - Output	4.75V ~ 5.25V	-	-	39.45V
Package / Case	20-TSSOP (0.173", 4.40mm Width) Exposed Pad	10-WDFN Exposed Pad	8-SOIC (0.154", 3.90mm Width)	16-WQFN Exposed Pad

### MAX16838AUP/V+T Datasheet PDF

Download MAX16838AUP/V+T pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX16838AUP/V+T - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)






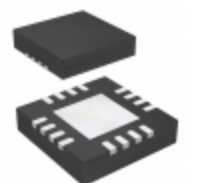

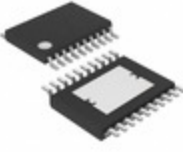

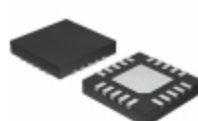
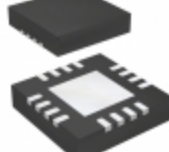






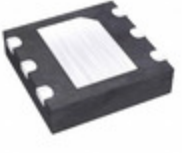
[Material Declaration MAX16838AUP/V+T.pdf](#)

#### Part Numbering Guide

[Part Numbering System.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>MAX1683EUK-T</b> Analog Devices Inc./Maxim Integrated IC REG CHARGE PUMP 2VIN SOT23-5	<b>MAX16834AUP</b> Analog Devices / Maxim Integrated	<b>MAX16840ATB+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR OFFL ANALOG 10TDFN	<b>MAX16836ATE</b> Analog Devices / Maxim Integrated	<b>MAX16841ASA+T</b> Analog Devices Inc./Maxim Integrated IC LED DRIVER OFFL TRIAC 8SOIC	<b>MAX16835ATE+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR LIN PWM 350MA 16TQFN
					
<b>MAX1684EEE+</b> Analog Devices Inc./Maxim Integrated IC REG BUCK ADJ/3.3V 1A 16QSOP	<b>MAX16834AUP/V+T</b> Analog Devices Inc./Maxim Integrated IC LED DRIVER CTRLR PWM 20TSSOP	<b>MAX16834AUP+T</b> Analog Devices Inc./Maxim Integrated IC LED DRIVER CTRLR PWM 20TSSOP	<b>MAX16838ATP/V+T</b> Analog Devices Inc./Maxim Integrated IC LED DRV RGLTR PWM 20TQFN	<b>MAX16836ATE+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR LIN PWM 350MA 16TQFN	<b>MAX1684EEE</b> Analog Devices Inc./Maxim Integrated IC REG BUCK ADJ/3.3V 1A 16QSOP
					
<b>MAX16838AP/V+T</b> Analog Devices / Maxim Integrated	<b>MAX16836ASA+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR LIN PWM 350MA 8SOIC	<b>MAX1683EUK+T</b> Analog Devices Inc./Maxim Integrated IC REG CHARGE PUMP 2VIN SOT23-5	<b>MAX16838BAUP/V+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR RGLTR PWM 20TSSOP	<b>MAX16838AP/V</b> Analog Devices / Maxim Integrated	<b>MAX16839ATT/V+T</b> Analog Devices Inc./Maxim Integrated IC LED DRVR LIN PWM 100MA 6TDFN

## 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



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com