

Image may be representation.
See specifications for product details.



UC2842BDR2G

Manufacturer Part Number	UC2842BDR2G
Manufacturer	onsemi
Allelco Part Number	32D-UC2842BDR2G
ECAD Model	Request Free CAD Models
Parts Description	IC REG CTRLR PWM CM 14-SOIC
Package	14-SOIC (0.154", 3.90mm Width)
Data sheet	UC384(2,3)B, UC284(2,3)B.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

UC2842BDR2G - onsemi.New Original in Stock. Download Linear Technology UC2842BDR2G datasheet/specifications on AllelcoElec.com.
Request a quote for UC2842BDR2G, please send us email: info@allelco.com

Specifications

UC2842BDR2G Tech Specifications

UC2842BDR2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Output Configuration	Positive, Isolation Capable
Voltage - Supply (Vcc/Vdd)	10V ~ 30V	Operating Temperature	-25°C ~ 85°C (TA)
Topology	Boost, Flyback	Number of Outputs	1
Synchronous Rectifier	No	Mounting Type	Surface Mount
Supplier Device Package	14-SOIC	Function	Step-Up, Step-Up/Step-Down
Series	-	Frequency - Switching	Up to 500kHz
Serial Interfaces	-	Duty Cycle (Max)	96%
Package / Case	14-SOIC (0.154", 3.90mm Width)	Control Features	Frequency Control
Package	Tape & Reel (TR)	Clock Sync	No
Output Type	Transistor Driver	Base Product Number	UC2842
Output Phases	1		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi UC2842BDR2G

Product Attribute				
Part Number	UC2842BDR2G	UC2842BD1	UC2842BN	UC2842P
Manufacturer	onsemi	onsemi	STMicroelectronics	Texas Instruments
Topology	Boost, Flyback	Boost, Flyback	Boost, Flyback	Boost, Buck, Buck-Boost, Flyback, Forward
Output Type	Transistor Driver	Transistor Driver	Transistor Driver	Transistor Driver
Series	-	-	-	-
Package	Tape & Reel (TR)	Tube	Tube	Bulk
Operating Temperature	-25°C ~ 85°C (TA)	-25°C ~ 85°C (TA)	-25°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Synchronous Rectifier	No	No	No	No
Base Product Number	UC2842	UC284	UC2842	UC2842
Package / Case	14-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-DIP (0.300", 7.62mm)	8-DIP (0.300", 7.62mm)
Supplier Device Package	14-SOIC	8-SOIC	8-Mini DIP	8-PDIP
Function	Step-Up, Step-Up/Step-Down	Step-Up, Step-Up/Step-Down	Step-Up, Step-Up/Step-Down	Step-Up, Step-Down, Step-Up/Step-Down
Duty Cycle (Max)	96%	96%	96%	97%
Output Phases	1	1	1	1
Control Features	Frequency Control	Frequency Control	Frequency Control	Frequency Control
Voltage - Supply (Vcc/Vdd)	10V ~ 30V	10V ~ 30V	10V ~ 30V	12V ~ 28V
Mounting Type	Surface Mount	Surface Mount	Through Hole	Through Hole
Output Configuration	Positive, Isolation Capable	Positive, Isolation Capable	Positive, Isolation Capable	Positive, Isolation Capable
Serial Interfaces	-	-	-	-
Clock Sync	No	No	No	No
Frequency - Switching	Up to 500kHz	Up to 500kHz	Up to 500kHz	Up to 500kHz
Number of Outputs	1	1	1	1

UC2842BDR2G Datasheet PDF

Download UC2842BDR2G pdf datasheets and onsemi documentation for UC2842BDR2G - onsemi.

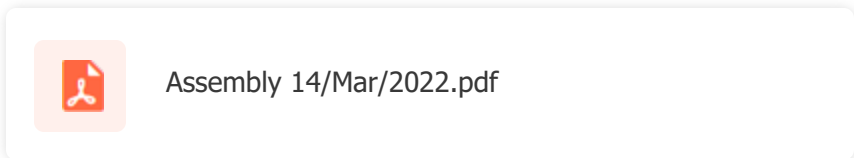
Datasheets

UC384(2,3)B, UC284(2,3)B.pdf

Environmental Information

onsemi RoHS.pdf

Material Declaration UC2842BDR2G.pdf



Customers Also Interested in

Recommended Products

UC2842BD1 onsemi IC REG CTRLR BST FLYBK ISO 8SOIC	UC2842BN STMicroelectronics IC REG CTRLR BST FLYBK ISO 8-DIP	UC2842P Texas Instruments SWITCHING CONTROLLER	UC2842N Texas Instruments IC CUR-MODE PWM CONT 8-DIP	UC2842D8TR Texas Instruments IC PWM BOOST FLYBACK CM 8SOIC	UC2842DTR Texas Instruments IC PWM BOOST FLYBACK CM 14SOIC
UC2842AQDR Texas Instruments IC CURR MODE PWM CNTRLR 14SOIC	UC2842BD1013TR STMicroelectronics IC REG CTRLR BST FLYBK ISO 8SOIC	UC2842BD1G onsemi IC REG CTRLR BST FLYBK ISO 8SOIC	UC2842BD onsemi IC REG CTRLR PWM CM 14-SOIC	UC2842BNG onsemi IC REG CTRLR BST FLYBK ISO 8-DIP	UC2842BDG onsemi IC REG CTRLR PWM CM 14-SOIC
UC2842BD1R2G onsemi IC REG CTRLR BST FLYBK ISO 8SOIC	UC2842D Texas Instruments IC PWM BOOST FLYBACK CM 14SOIC	UC2842BN onsemi IC REG CTRLR BST FLYBK ISO 8-DIP	UC2842BD1R2 onsemi IC REG CTRLR BST FLYBK ISO 8SOIC	UC2842DR Texas Instruments SWITCHING CONTROLLER	UC2842BD1 STMicroelectronics IC REG CTRLR BST FLYBK ISO 8-SO

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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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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