

Image may be representation.  
See specifications for product details.



## UC3845BVD1R2

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>UC3845BVD1R2</b>                      |
| Manufacturer             | <b>onsemi</b>                            |
| Allelco Part Number      | 32D-UC3845BVD1R2                         |
| ECAD Model               | Request Free CAD Models                  |
| Parts Description        | IC REG CTRLR BOOST/FLYBACK 8SOIC         |
| Package                  | 8-SOIC (0.154", 3.90mm Width)            |
| Data sheet               | <b>UC3844B,45B &amp; UC2844B,45B.pdf</b> |

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UC3845BVD1R2 - onsemi.New Original in Stock. Download Linear Technology UC3845BVD1R2 datasheet/specifications on AllelcoElec.com.  
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### Specifications

UC3845BVD1R2 Tech Specifications

UC3845BVD1R2 - onsemi technical specifications, attributes, parameters

| Product Attribute          | Attribute Value               | Product Attribute     | Attribute Value             |
|----------------------------|-------------------------------|-----------------------|-----------------------------|
| Manufacturer               | onsemi                        | Output Configuration  | Positive, Isolation Capable |
| Voltage - Supply (Vcc/Vdd) | 7.6V ~ 30V                    | Operating Temperature | -40°C ~ 105°C (TA)          |
| Topology                   | Boost, Flyback                | Number of Outputs     | 1                           |
| Synchronous Rectifier      | No                            | Mounting Type         | Surface Mount               |
| Supplier Device Package    | 8-SOIC                        | Function              | Step-Up, Step-Up/Step-Down  |
| Series                     | -                             | Frequency - Switching | Up to 500kHz                |
| Serial Interfaces          | -                             | Duty Cycle (Max)      | 48%                         |
| Package / Case             | 8-SOIC (0.154", 3.90mm Width) | Control Features      | Frequency Control           |
| Package                    | Tape & Reel (TR)              | Clock Sync            | No                          |
| Output Type                | Transistor Driver             | Base Product Number   | UC3845                      |
| Output Phases              | 1                             |                       |                             |

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi UC3845BVD1R2

| Product Attribute          |                               |                             |                                |   |
|----------------------------|-------------------------------|-----------------------------|--------------------------------|---|
| Part Number                | UC3845BVD1R2                  | UC3845BNG                   | UC3845BDG                      | UC3845D                                   |
| Manufacturer               | onsemi                        | onsemi                      | onsemi                         | Fairchild Semiconductor                   |
| Package / Case             | 8-SOIC (0.154", 3.90mm Width) | 8-DIP (0.300", 7.62mm)      | 14-SOIC (0.154", 3.90mm Width) | 14-SOIC (0.154", 3.90mm Width)            |
| Supplier Device Package    | 8-SOIC                        | 8-PDIP                      | 14-SOIC                        | 14-SOIC                                   |
| Frequency - Switching      | Up to 500kHz                  | Up to 500kHz                | Up to 500kHz                   | Up to 500kHz                              |
| Package                    | Tape & Reel (TR)              | Tube                        | Tube                           | Tube                                      |
| Control Features           | Frequency Control             | Frequency Control           | Frequency Control              | Frequency Control                         |
| Operating Temperature      | -40°C ~ 105°C (TA)            | 0°C ~ 70°C (TA)             | 0°C ~ 70°C (TA)                | 0°C ~ 70°C (TA)                           |
| Output Configuration       | Positive, Isolation Capable   | Positive, Isolation Capable | Positive, Isolation Capable    | Positive or Negative, Isolation Capable   |
| Synchronous Rectifier      | No                            | No                          | No                             | No  |
| Duty Cycle (Max)           | 48%                           | 48%                         | 48%                            | 48%                                       |
| Mounting Type              | Surface Mount                 | Through Hole                | Surface Mount                  | Surface Mount                             |
| Output Type                | Transistor Driver             | Transistor Driver           | Transistor Driver              | Transistor Driver                         |
| Clock Sync                 | No                            | No                          | No                             | No  |
| Output Phases              | 1                             | 1                           | 1                              | 1   |
| Topology                   | Boost, Flyback                | Boost, Flyback              | Boost, Flyback                 | Boost, Buck, Buck-Boost, Flyback, Forward |
| Serial Interfaces          | -                             | -                           | -                              | -   |
| Base Product Number        | UC3845                        | UC3845                      | UC3845                         | UC3845                                    |
| Number of Outputs          | 1                             | 1                           | 1                              | 1   |
| Voltage - Supply (Vcc/Vdd) | 7.6V ~ 30V                    | 7.6V ~ 30V                  | 7.6V ~ 30V                     | 7.6V ~ 30V                                |
| Series                     | -                             | -                           | -                              | -   |
| 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     |

### UC3845BVD1R2 Datasheet PDF

Download UC3845BVD1R2 pdf datasheets and onsemi documentation for UC3845BVD1R2 - onsemi.

#### Datasheets

[UC3844B,45B & UC2844B,45B.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

## Customers Also Interested in

### Recommended Products

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| <b>UC3845BNG</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8DIP                     | <b>UC3845BDG</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBK 14SOIC                     | <b>UC3845D</b><br>Fairchild Semiconductor<br>SWITCHING CONTROLLER                 | <b>UC3845BDT(3845B)</b><br>STMicroelectronics                                      | <b>UC3845BVD1G</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8SOIC                    | <b>UC3845BN</b><br>STMicroelectronics<br>IC REG CTRLR BOOST/FLYBACK 8DIP            |
|  |  |  |  |  |  |
| <b>UC3845BN</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8DIP                      | <b>UC3845D</b><br>Unitrode<br>UC3845 - CURRENT MODE PWM CONTR                     | <b>UC3845D</b><br>Texas Instruments<br>IC REG CTRLR MULT TOP 14SOIC               | <b>UC3845BDR2G</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBK 14SOIC                    | <b>UC3845BVD</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBK 14SOIC                       | <b>UC3845BVNG</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8DIP                      |
|  |  |  |  |  |  |
| <b>UC3845BVN</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8DIP                     | <b>UC3845BVDR2G</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBK 14SOIC                  | <b>UC3845D</b><br>onsemi<br>IC REG CTRLR 14SOIC                                   | <b>UC3845BVD1R2G</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBACK 8SOIC                 | <b>UC3845BVDG</b><br>onsemi<br>IC REG CTRLR BOOST/FLYBK 14SOIC                      | <b>UC3845BD1TR-LF</b><br>STMicroelectronics   |

## 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           |

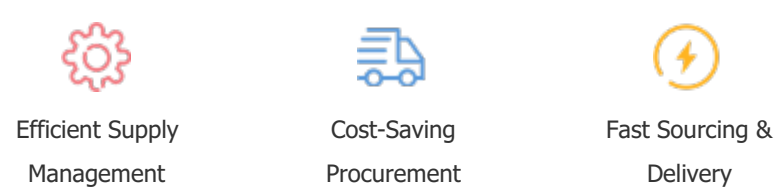
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



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