

Image may be representation.  
See specifications for product details.



## MC34844AEPR2

|                          |                                  |
|--------------------------|----------------------------------|
| Manufacturer Part Number | <b>MC34844AEPR2</b>              |
| Manufacturer             | <b>NXP Semiconductors</b>        |
| Allelco Part Number      | 32D-MC34844AEPR2                 |
| ECAD Model               | PCB Footprint and Symbol         |
| Parts Description        | IC LED DRVR RGLTR PWM 80MA 32QFN |
| Package                  | 32-VFQFN Exposed Pad             |
| Data sheet               | MC34844AEPR2.pdf                 |
| RoHs Status              | <b>ROHS3 Compliant</b>           |

**Get a Quote**

MC34844AEPR2 - NXP USA Inc..New Original in Stock. Download Linear Technology MC34844AEPR2 datasheet/specifications on AllelcoElec.com.  
Request a quote for MC34844AEPR2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MC34844AEPR2 Tech Specifications

MC34844AEPR2 - NXP USA Inc. technical specifications, attributes, parameters

| Product Attribute       | Attribute Value      | Product Attribute          | Attribute Value    |
|-------------------------|----------------------|----------------------------|--------------------|
| Manufacturer            | NXP Semiconductors   | Operating Temperature      | -40°C ~ 105°C (TA) |
| Voltage - Supply (Min)  | 7V                   | Number of Outputs          | 10                 |
| Voltage - Supply (Max)  | 28V                  | Mounting Type              | Surface Mount      |
| Voltage - Output        | 8V ~ 60V             | Internal Switch(s)         | Yes                |
| Type                    | DC DC Regulator      | Frequency                  | -                  |
| Topology                | Step-Up (Boost)      | Dimming                    | Analog, PWM        |
| Supplier Device Package | 32-QFN-EP (5x5)      | Current - Output / Channel | 80mA               |
| Series                  | -                    | Base Product Number        | MC34844            |
| Package / Case          | 32-VFQFN Exposed Pad | Applications               | Backlight          |
| Package                 | Tape & Reel (TR)     |                            |                    |

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC34844AEPR2

| Product Attribute          |                      |                         |                      |                      |
|----------------------------|----------------------|-------------------------|----------------------|----------------------|
| Part Number                | MC34844AEPR2         | MC34845DEP              | MC34844EP            | MC34845DEP           |
| Manufacturer               | NXP USA Inc.         | Freescall Semiconductor | NXP USA Inc.         | NXP USA Inc.         |
| Topology                   | Step-Up (Boost)      | Step-Up (Boost)         | Step-Up (Boost)      | Step-Up (Boost)      |
| Voltage - Output           | 8V ~ 60V             | 8V ~ 60V                | 8V ~ 60V             | 8V ~ 60V             |
| Mounting Type              | Surface Mount        | Surface Mount           | Surface Mount        | Surface Mount        |
| Series                     | -                    | -                       | -                    | -                    |
| Dimming                    | Analog, PWM          | PWM                     | Analog, PWM          | PWM                  |
| Voltage - Supply (Min)     | 7V                   | 5V                      | 7V                   | 5V                   |
| Supplier Device Package    | 32-QFN-EP (5x5)      | 24-QFN-EP (4x4)         | 32-QFN-EP (5x5)      | 24-QFN-EP (4x4)      |
| Base Product Number        | MC34844              | MC34845                 | MC34844              | MC34845              |
| Internal Switch(s)         | Yes                  | Yes                     | Yes                  | Yes                  |
| Applications               | Backlight            | Backlight               | Backlight            | Backlight            |
| Operating Temperature      | -40°C ~ 105°C (TA)   | -40°C ~ 85°C (TA)       | -40°C ~ 105°C (TA)   | -40°C ~ 85°C (TA)    |
| Frequency                  | -                    | 300kHz                  | -                    | 300kHz               |
| Voltage - Supply (Max)     | 28V                  | 21V                     | 28V                  | 21V                  |
| Type                       | DC DC Regulator      | DC DC Regulator         | DC DC Regulator      | DC DC Regulator      |
| Package                    | Tape & Reel (TR)     | Bulk                    | Tray                 | Tray                 |
| Number of Outputs          | 10                   | 6                       | 10                   | 6                    |
| Package / Case             | 32-VFQFN Exposed Pad | 24-UFQFN Exposed Pad    | 32-VFQFN Exposed Pad | 24-UFQFN Exposed Pad |
| Current - Output / Channel | 80mA                 | 2.6A (Switch)           | 50mA                 | 2.6A (Switch)        |

### MC34844AEPR2 Datasheet PDF

Download MC34844AEPR2 pdf datasheets and NXP USA Inc. documentation for MC34844AEPR2 - NXP USA Inc..

#### PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

#### Environmental Information

NXP USA Inc REACH.pdf



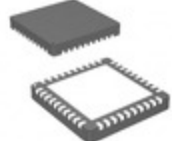








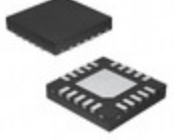
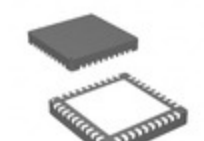





NXP USA Inc RoHS Cert.pdf

#### PCN Assembly/Origin

2.73KHz.pdf

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### Recommended Products

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>MC34845DEP</b><br>Freescale Semiconductor<br>IC LED DRVR RGLTR PWM 2.6A<br>24QFN | <br><b>MC3479FN</b><br>AMI Semiconductor/onsemi                   | <br><b>MC34844EP</b><br>NXP USA Inc.<br>IC LED DRVR RGLTR PWM 50MA<br>32QFN | <br><b>MC34845DEP</b><br>NXP USA Inc.<br>IC LED DRVR RGLTR PWM 2.6A<br>24QFN | <br><b>MC3479P</b><br>onsemi<br>IC MTR DRV BIPLR 7.2-16.5V 16DIP | <br><b>MC34845</b><br>Freescale / NXP Semiconductors                      |
| <br><b>MC34844EP</b><br>Freescale Semiconductor<br>IC LED DRVR RGLTR PWM 50MA<br>32QFN  | <br><b>MC34771ATP6</b><br>Freescale / NXP Semiconductors          | <br><b>MC3476</b><br>MOTOROLA                                               | <br><b>MC34845CEP</b><br>NXP USA Inc.<br>IC LED DRVR RGLTR PWM 2.3A<br>24QFN | <br><b>MC348452-1</b><br>AMI Semiconductor/onsemi                | <br><b>MC34825EPR2</b><br>NXP USA Inc.<br>IC USB MINI UNIV CHARGING 20QFN |
| <br><b>MC34844AEP</b><br>NXP USA Inc.<br>IC LED DRVR RGLTR PWM 80MA<br>32QFN            | <br><b>MC3479PG</b><br>onsemi<br>IC MTR DRV BIPLR 7.2-16.5V 16DIP | <br><b>MC34845EP</b><br>NXP USA Inc.<br>IC LED DRVR RGLTR PWM 2.3A<br>24QFN | <br><b>MC348454-2</b><br>AMI Semiconductor/onsemi                            | <br><b>MC3476P1</b><br>onsemi<br>IC OPAMP GP 1 CIRCUIT 8DIP      | <br><b>MC3481P</b><br>AMI Semiconductor/onsemi                            |

## 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           |

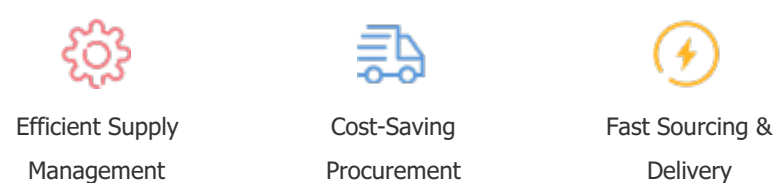
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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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