



Image may be representation.
See specifications for product details.



ADUM142E0BRWZ

| | |
|--------------------------|---|
| Manufacturer Part Number | ADUM142E0BRWZ |
| Manufacturer | Analog Devices, Inc. |
| Allelco Part Number | 32D-ADUM142E0BRWZ |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | DGTL ISO 3750VRMS 4CH GP 16SOIC |
| Package | 16-SOIC (0.295", 7.50mm Width) |
| Data sheet | Cylindrical Battery Holders.pdf |
| | Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

ADUM142E0BRWZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUM142E0BRWZ datasheet/specifications on AllelcoElec.com.
Request a quote for ADUM142E0BRWZ, please send us email: info@allelco.com

Specifications

ADUM142E0BRWZ Tech Specifications
ADUM142E0BRWZ - Analog Devices Inc. technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------------------|--------------------------------|--------------------------------------|-----------------|
| Manufacturer | Analog Devices, Inc. | Package | Tube |
| Voltage - Supply | 1.7V ~ 5.5V | Operating Temperature | -40°C ~ 125°C |
| Voltage - Isolation | 3750Vrms | Number of Channels | 4 |
| Type | General Purpose | Mounting Type | Surface Mount |
| Technology | Magnetic Coupling | Isolated Power | No |
| Supplier Device Package | 16-SOIC | Inputs - Side 1/Side 2 | 2/2 |
| Series | iCoupler® | Data Rate | 150Mbps |
| Rise / Fall Time (Typ) | 2.5ns, 2.5ns | Common Mode Transient Immunity (Min) | 75kV/μs |
| Pulse Width Distortion (Max) | 3ns | Channel Type | Unidirectional |
| Propagation Delay tPLH / tPHL (Max) | 13ns, 13ns | Base Product Number | ADUM142 |
| Package / Case | 16-SOIC (0.295", 7.50mm Width) | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUM142E0BRWZ

| Product Attribute | | | | |
|--------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Part Number | ADUM142E0BRWZ | ADUM142E1WBRWZ | ADUM142E1WBRQZ | ADUM142E0BRZ |
| Manufacturer | Analog Devices Inc. | Analog Devices Inc. | Analog Devices Inc. | Analog Devices Inc. |
| Pulse Width Distortion (Max) | 3ns | 3ns | 3ns | 3ns |
| Data Rate | 150Mbps | 150Mbps | 150Mbps | 150Mbps |
| Voltage - Supply | 1.7V ~ 5.5V | 1.8V ~ 5.5V | 1.7V ~ 5.5V | 1.7V ~ 5.5V |
| Isolated Power | No | No | No | No |
| Supplier Device Package | 16-SOIC | 16-SOIC | 16-QSOP | 16-SOIC |
| Technology | Magnetic Coupling | Magnetic Coupling | Magnetic Coupling | Magnetic Coupling |
| Rise / Fall Time (Typ) | 2.5ns, 2.5ns | 2.5ns, 2.5ns | 2.5ns, 2.5ns | 2.5ns, 2.5ns |
| Propagation Delay tPLH / tPHL (Max) | 13ns, 13ns | 13ns, 13ns | 13ns, 13ns | 13ns, 13ns |
| Package / Case | 16-SOIC (0.295", 7.50mm Width) | 16-SOIC (0.295", 7.50mm Width) | 16-SSOP (0.154", 3.90mm Width) | 16-SOIC (0.154", 3.90mm Width) |
| Series | iCoupler® | Automotive | Automotive | iCoupler® |
| Inputs - Side 1/Side 2 | 2/2 | 2/2 | 2/2 | 2/2 |
| Type | General Purpose | SPI | General Purpose | General Purpose |
| Voltage - Isolation | 3750Vrms | 3000Vrms | 3000Vrms | 3000Vrms |
| Number of Channels | 4 | 4 | 4 | 4 |
| Package | Tube | Tube | Tube | Tube |
| Common Mode Transient Immunity (Min) | 75kV/μs | 100kV/μs | 75kV/μs | 75kV/μs |
| Operating Temperature | -40°C ~ 125°C | -40°C ~ 125°C | -40°C ~ 125°C | -40°C ~ 125°C |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Channel Type | Unidirectional | Unidirectional | Unidirectional | Unidirectional |
| Base Product Number | ADUM142 | ADUM142 | ADUM142 | ADUM142 |

ADUM142E0BRWZ Datasheet PDF

Download ADUM142E0BRWZ pdf datasheets and Analog Devices Inc. documentation for ADUM142E0BRWZ - Analog Devices Inc..

Datasheets

[Cylindrical Battery Holders.pdf](#)

HTML Datasheet



Customers Also Interested in

Recommended Products

**ADUM142E1WBRWZ**Analog Devices Inc.
DGT ISOL 3000VRMS 4CH SPI
16SOIC**ADUM142E1WBRQZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16QSOP**ADUM142E0BRZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16SOIC**ADUM142E1BRWZ**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC**ADUM141E1WBRQZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16QSOP**ADUM1440ARQZ**Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP
16QSOP**ADUM142D1BRWZ-RL**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC**ADUM142E0BRQZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16QSOP**ADUM141E1BRZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16SOIC**ADUM142D1BRQZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16QSOP**ADUM142E0BRWZ-RL**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC**ADUM142E1BRQZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16SOIC**ADUM141E1WBRWZ-RL**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC**ADUM142E0BRZ-RL7**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16SOIC**ADUM142E1BRWZ-RL**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC**ADUM1420BRWZ**Analog Devices Inc.
DGTL ISO 1.667KV GATE DVR
28SOIC**ADUM142E1BRZ**Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP
16SOIC**ADUM141E1WBRWZ**Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP
16SOIC

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



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