



Image may be representation.
See specifications for product details.



ADUM142E1BRZ

Manufacturer Part Number	ADUM142E1BRZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADUM142E1BRZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DGTL ISO 3000VRMS 4CH GP 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	Cylindrical Battery Holders.pdf
	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ADUM142E1BRZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUM142E1BRZ datasheet/specifications on AllelcoElec.com.
Request a quote for ADUM142E1BRZ, please send us email: info@allelco.com

Specifications

ADUM142E1BRZ Tech Specifications

ADUM142E1BRZ - 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	3000Vrms	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 (0.154", 3.90mm Width)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUM142E1BRZ

Product Attribute				
Part Number	ADUM142E1BRZ	ADUM1441ARSZ	ADUM142D1BRQZ	ADUM142E0BRWZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Base Product Number	ADUM142	ADUM1441	ADUM142	ADUM142
Voltage - Supply	1.7V ~ 5.5V	2.25V ~ 3.6V	1.7V ~ 5.5V	1.7V ~ 5.5V
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Package	Tube	Tube	Tube	Tube
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Channel Type	Unidirectional	Unidirectional	Unidirectional	Unidirectional
Data Rate	150Mbps	2Mbps	150Mbps	150Mbps
Voltage - Isolation	3000Vrms	3750Vrms	3000Vrms	3750Vrms
Series	iCoupler®	iCoupler®	iCoupler®	iCoupler®
Inputs - Side 1/Side 2	2/2	3/1	2/2	2/2
Technology	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling
Supplier Device Package	16-SOIC	20-SSOP	16-QSOP	16-SOIC
Type	General Purpose	General Purpose	General Purpose	General Purpose
Propagation Delay tPLH / tPHL (Max)	13ns, 13ns	180ns, 180ns	13ns, 13ns	13ns, 13ns
Number of Channels	4	4	4	4
Isolated Power	No	No	No	No
Package / Case	16-SOIC (0.154", 3.90mm Width)	20-SSOP (0.209", 5.30mm Width)	16-SSOP (0.154", 3.90mm Width)	16-SOIC (0.295", 7.50mm Width)
Pulse Width Distortion (Max)	3ns	8ns	3ns	3ns
Common Mode Transient Immunity (Min)	75kV/μs	25kV/μs	75kV/μs	75kV/μs
Rise / Fall Time (Typ)	2.5ns, 2.5ns	2ns, 2ns	2.5ns, 2.5ns	2.5ns, 2.5ns

ADUM142E1BRZ Datasheet PDF

Download ADUM142E1BRZ pdf datasheets and Analog Devices Inc. documentation for ADUM142E1BRZ - Analog Devices Inc..

Datasheets

[Cylindrical Battery Holders.pdf](#)

HTML Datasheet



Customers Also Interested in

Recommended Products



ADUM1441ARSZ
Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP 20SSOP



ADUM142D1BRQZ
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16QSOP



ADUM142E0BRWZ
Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP 16SOIC



ADUM142E0BRQZ
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16QSOP



ADUM1440ARQZ
Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP 16QSOP



ADUM142E1BRWZ-RL
Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP 16SOIC



ADUM1446ARQZ
Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP 16QSOP



ADUM142E1WBRWZ
Analog Devices Inc.
DGT ISO 3000VRMS 4CH SPI 16SOIC



ADUM142E1BRWZ
Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP 16SOIC



ADUM1441ARQZ
Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP 16QSOP



ADUM142D1BRWZ-RL
Analog Devices Inc.
DGTL ISO 3750VRMS 4CH GP 16SOIC



ADUM142E0BRZ-RL7
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16SOIC



ADUM142E0BRZ
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16SOIC



ADUM142E1BRQZ
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16QSOP



ADUM1442ARQZ-RL7
Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP 16QSOP



ADUM1442ARQZ
Analog Devices Inc.
DGTL ISO 2500VRMS 4CH GP 16QSOP



ADUM142E1WBRQZ
Analog Devices Inc.
DGTL ISO 3000VRMS 4CH GP 16QSOP



ADUM142E0BRWZ-RL
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 Alleco 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@alleco.com

Certifications & Memberships



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