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See specifications for product details.



BLUENRG-345AC

Manufacturer Part Number	BLUENRG-345AC
Manufacturer	STMicroelectronics
Allelco Part Number	32D-BLUENRG-345AC
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	PROGRAMMABLE BLUETOOTH LE 5.2 WI
Package	32-VFQFN Exposed Pad
Data sheet	BlueNRG-LP.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

BLUENRG-345AC - STMicroelectronics.New Original in Stock. Download Linear Technology BLUENRG-345AC datasheet/specifications on AllelcoElec.com.
Request a quote for BLUENRG-345AC, please send us email: info@allelco.com

Specifications

BLUENRG-345AC Tech Specifications

BLUENRG-345AC - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Supply	1.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	32-QFN (5x5)	Modulation	GFSK
Series	BlueNRG	Memory Size	256kB Flash, 32kB RAM
Serial Interfaces	I ² C, SPI	GPIO	32
Sensitivity	-97dBm	Frequency	2.4GHz ~ 2.4835GHz
RF Family/Standard	Bluetooth	Data Rate (Max)	2Mbps
Protocol	Bluetooth v5.2	Current - Transmitting	4.3mA
Power - Output	8dBm	Current - Receiving	3.4 mA
Package / Case	32-VFQFN Exposed Pad	Base Product Number	BLUENRG

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics BLUENRG-345AC

Product Attribute				
Part Number	BLUENRG-345AC	MKW31Z256VHT4	BLUENRG-234	CC2533F64RHAT
Manufacturer	STMicroelectronics	NXP USA Inc.	STMicroelectronics	Texas Instruments
Current - Transmitting	4.3mA	6mA	6.6mA ~ 28.8mA	28.5mA ~ 38.8mA
Supplier Device Package	32-QFN (5x5)	64-VFLGA (7x7)	34-WLCSP (2.66x2.56)	40-VQFN (6x6)
Serial Interfaces	I ² C, SPI	I ² C, SPI, UART	I ² C, SPI, UART	I ² C, SPI, UART
Package / Case	32-VFQFN Exposed Pad	64-VFLGA	34-XFBGA, WLCSP	40-VFQFN Exposed Pad
Protocol	Bluetooth v5.2	Bluetooth v4.2	Bluetooth v5.0	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C	-40°C ~ 125°C
Power - Output	8dBm	3.5dBm	8dBm	4.5dBm
RF Family/Standard	Bluetooth	Bluetooth	Bluetooth	802.15.4
Current - Receiving	3.4 mA	6.2mA	7.7mA ~ 14.5mA	21.6mA ~ 25.1mA
Voltage - Supply	1.7V ~ 3.6V	1.71V ~ 3.6V	1.7V ~ 3.6V	2V ~ 3.6V
Series	BlueNRG	Kinetis KW31Z	BlueNRG	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
Sensitivity	-97dBm	-95dBm	-88dBm	-97dBm
Frequency	2.4GHz ~ 2.4835GHz	2.4GHz	2.4GHz	2.4GHz
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Data Rate (Max)	2Mbps	1Mbps	1Mbps	250kbps
Memory Size	256kB Flash, 32kB RAM	256kB Flash, 64kB RAM	256kB Flash, 24kB RAM	64kB Flash, 4kB RAM
Modulation	GFSK	FSK, GFSK, MSK, O-QPSK	GFSK	-
Base Product Number	BLUENRG	MKW31	BLUENRG	CC2533
GPIO	32	-	14	23

BLUENRG-345AC Datasheet PDF

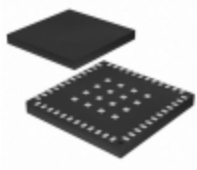
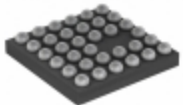
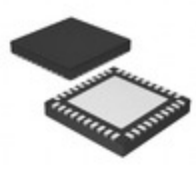





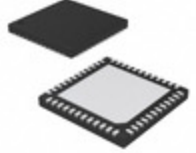


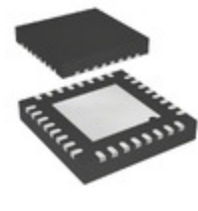

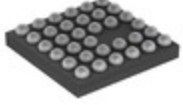

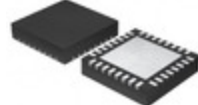
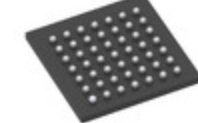
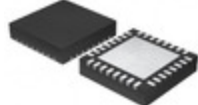
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Datasheets

BlueNRG-LP.pdf

Customers Also Interested in

Recommended Products

					
MKW31Z256VHT4 NXP USA Inc. IC RF TXRX+MCU BLUETOOTH 48VQFN	BLUENRG-234 STMicroelectronics IC RF TXRX+MCU BLUETOOTH 34XFBGA	CC2533F64RHAT Texas Instruments IC RF TXRX+MCU 802.15.4 40VQFN	BLUENRG-MSCSP STMicroelectronics IC RF TXRX+MCU BLUETOOTH 34XFBGA	BLUENRG-234N STMicroelectronics BLUETOOTH? LOW ENERGY WIRELESS N	BLU30/12 LUMILEDS
					
AT86RF215-ZU Atmel AT86RF2 - WIRELESS TRANSCEIVER	BLUENRG-355MC STMicroelectronics IC RF TXRX+MCU BLUETOOTH 48QFN	BLUENRG-248 STMicroelectronics IC RF TXRX+MCU BLUETOOTH 48VQFN	BLUENRG-132 STMicroelectronics IC RF TXRX+MCU BLUETOOTH 32VQFN	BLUENRG-355AC STMicroelectronics PROGRAMMABLE BLUETOOTH LOW ENERG	BLUENRG-MSQTR STMicroelectronics IC RF TXRX+MCU BLUETOOTH 32VQFN
					
BLUENRG-134 STMicroelectronics IC RF TXRX+MCU BLUETOOTH 34XFBGA	BLUENRGCS STMicroelectronics IC RF TXRX+MCU BLUETOOTH 34XFBGA	BLUENRG-345MC STMicroelectronics PROGRAMMABLE BLUETOOTH LOW	BLUENRG-232 STMicroelectronics IC RF TXRX+MCU BLUETOOTH 32VQFN	BLUENRG-345VC STMicroelectronics PROGRAMMABLE BLUETOOTH LE 5.2 WI	BLUENRGQTR STMicroelectronics IC RF TXRX+MCU BLUETOOTH 32VQFN

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

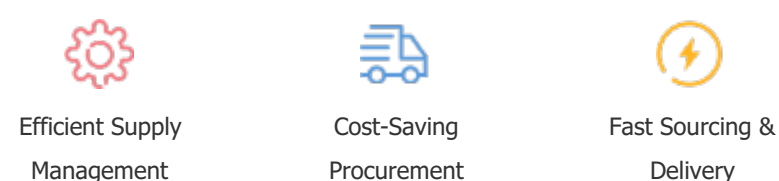
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

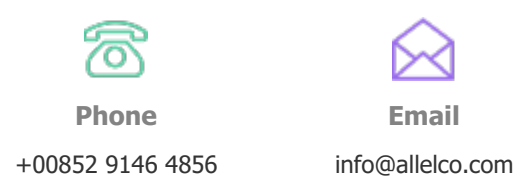
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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