

Image may be representation.
See specifications for product details.



ATSAMR21G17A-MU

Manufacturer Part Number	ATSAMR21G17A-MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAMR21G17A-MU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC RF TXRX+MCU ISM>1GHZ 48VFQFN
Package	48-VFQFN Exposed Pad
Data sheet	ATSAMR21E,G Summary.pdf SAM R21E,G Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAMR21G17A-MU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAMR21G17A-MU datasheet/specifications on AllelcoElec.com. Request a quote for ATSAMR21G17A-MU, please send us email: info@allelco.com

Specifications

ATSAMR21G17A-MU Tech Specifications
ATSAMR21G17A-MU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	48-QFN (7x7)	Modulation	O-QPSK
Series	SMART™ SAM R21	Memory Size	128kB Flash, 16kB SRAM
Serial Interfaces	I ² C, SPI, UART, USART, USB	GPIO	28
Sensitivity	-99dBm	Frequency	2.4GHz
RF Family/Standard	General ISM > 1GHz	Data Rate (Max)	250kbps
Protocol	-	Current - Transmitting	7.2mA ~ 13.8mA
Power - Output	4dBm	Current - Receiving	11.3mA ~ 11.8mA
Package / Case	48-VFQFN Exposed Pad	Base Product Number	ATSAMR21

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMR21G17A-MU

Product Attribute				
Part Number	ATSAMR21G17A-MU	ATSAMR30M18AT-I/RM100	ATSAMR21G18A-MFT	ATSAMR30G18A-MUT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Current - Transmitting	7.2mA ~ 13.8mA	-	7.2mA ~ 13.8mA	26.5mA
Sensitivity	-99dBm	-	-99dBm	-110dBm
Series	SMART™ SAM R21	-	SMART™ SAM R21	-
Supplier Device Package	48-QFN (7x7)	Module	48-QFN (7x7)	48-QFN (7x7)
RF Family/Standard	General ISM > 1GHz	802.15.4	General ISM > 1GHz	802.15.4
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	ATSAMR21	ATSAMR30	ATSAMR21	ATSAMR30
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
Power - Output	4dBm	-	4dBm	11dBm
Modulation	O-QPSK	-	O-QPSK	BPSK, O-QPSK
Protocol	-	6LoWPAN, Zigbee®	-	-
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Serial Interfaces	I ² C, SPI, UART, USART, USB	ADC, I ² C, USB	I ² C, SPI, UART, USART, USB	I ² C, SPI
Current - Receiving	11.3mA ~ 11.8mA	-	11.3mA ~ 11.8mA	9.2mA
Memory Size	128kB Flash, 16kB SRAM	256kB Flash, 40kB RAM	256kB Flash, 32kB SRAM	256kB Flash, 40kB SRAM
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Data Rate (Max)	250kbps	-	250kbps	1Mbps
Package / Case	48-VFQFN Exposed Pad	25-SMD Module	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad
Operating Temperature	-40°C ~ 85°C	-	-40°C ~ 125°C	-40°C ~ 85°C
GPIO	28	16	28	28
Frequency	2.4GHz	700MHz, 800MHz, 900MHz	2.4GHz	700MHz, 800MHz, 900MHz

ATSAMR21G17A-MU Datasheet PDF

Download ATSAMR21G17A-MU pdf datasheets and Microchip Technology documentation for ATSAMR21G17A-MU - Microchip Technology.

PCN Packaging

- [Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)
- [Boxes 07/Dec/2016.pdf](#)

PCN Design/Specification

Cylindrical Battery Holders.pdf

HTML Datasheet

ATSAMR21E,G Summary.pdf

SAM R21E,G Datasheet.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products



ATSAMR30M18AT-I/RM100

Microchip Technology
R30 MODULE - MCU + SUB-GHZ
802.1



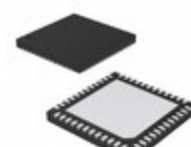
ATSAMR21G18A-MFT

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
48VFQFN



ATSAMS70N20A-AN

Microchip Technology
IC MCU 32BIT 1MB FLASH 100LQFP



ATSAMR30G18A-MUT

Microchip Technology
IC RF TXRX+MCU 802.15.4 48VFQFN



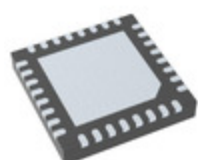
ATSAMR21E19A-F

Atmel (Microchip Technology)



ATSAMR21G18A-MF

Microchip Technology
IC RF TXRX+MCU ISM<1GHZ
48VFQFN



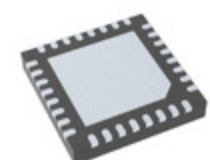
ATSAMR21E16A-MUT

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
32VQFN



ATSAMR21G18A-MU

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
48VFQFN



ATSAMR21E18A-MF

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
32VQFN



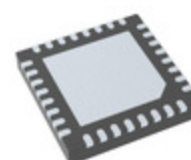
ATSAMR30E18A-MUT

Microchip Technology
IC RF TXRX+MCU 802.15.4 32VFQFN



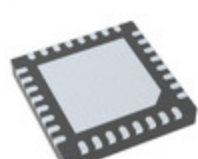
ATSAMS70N19B-AN

Microchip Technology
IC MCU 32BIT 512KB FLASH
100LQFP



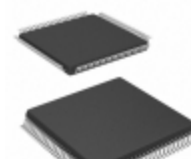
ATSAMR21E18A-MFT

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
32VQFN



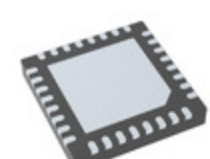
ATSAMR21E18A-MU

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
32VQFN



ATSAML22N17A-AUT

Microchip Technology
IC MCU 32BIT 128KB FLASH
100TQFP



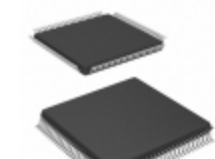
ATSAMR21E19A-MFT

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
32VFQFN



ATSAMR21G18A-MUT

Microchip Technology
IC RF TXRX+MCU ISM>1GHZ
48VFQFN



ATSAML22N18A-AUT

Microchip Technology
IC MCU 32BIT 256KB FLASH
100TQFP



ATSAMR35J18BT-I/7JX

Microchip Technology
IC RF TXRX+MCU 802.15.4 64TFBGA

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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