



Micrel / Microchip Technology



Part Number:ATSAMR21E16A-MU

Manufacturer/Brand: Micrel / Microchip Technology

Product description: IC RF TXRX+MCU ISM>1GHZ 32-VFQFN

Datasheets:

1.ATSAMR21E16A-MU.pdf

2.ATSAMR21E16A-MU.pdf

RoHs Status

Lead free / RoHS Compliant

Stock Condition: 23549 pcs stock

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of ATSAMR21E16A-MU

|                                  |                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMR21E16A-MU                                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                           |
| DESCRIPTION                      | IC RF TXRX+MCU ISM>1GHZ 32-VFQFN                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                              |
| QUANTITY AVAILABLE               | 23549 pcs                                                                                                                                                                                                                               |
| DATA SHEET                       | <div>1.ATSAMR21E16A-MU.pdf</div> <div>2.ATSAMR21E16A-MU.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 3.6 V                                                                                                                                                                                                                           |
| TYPE                             | TxRx + MCU                                                                                                                                                                                                                              |
| SERIES                           | SMART™ SAM R21                                                                                                                                                                                                                          |
| SERIAL INTERFACES                | I²C, SPI, UART, USART, USB                                                                                                                                                                                                              |
| SENSITIVITY                      | -99dBm                                                                                                                                                                                                                                  |
| RF FAMILY/STANDARD               | General ISM > 1GHZ                                                                                                                                                                                                                      |
| PROTOCOL                         | -                                                                                                                                                                                                                                       |
| POWER - OUTPUT                   | 4dBm                                                                                                                                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                                                                                    |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                           |
| MODULATION                       | O-QPSK                                                                                                                                                                                                                                  |
| MEMORY SIZE                      | 64kB Flash, 8kB SRAM                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                              |
| GPIO                             | 16                                                                                                                                                                                                                                      |
| FREQUENCY                        | 2.4GHz                                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | IC RF TxRx + MCU General ISM > 1GHZ 2.4GHz 32-VFQFN Exposed Pad                                                                                                                                                                         |
| DATA RATE (MAX)                  | 250kbps                                                                                                                                                                                                                                 |
| CURRENT - TRANSMITTING           | 7.2mA ~ 13.8mA                                                                                                                                                                                                                          |
| CURRENT - RECEIVING              | 11.3mA ~ 11.8mA                                                                                                                                                                                                                         |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMR21E16A-MU | ATSAMR21E16A-MU Distributor            | ATSAMR21E16A-MU Supplier                               |
| ATSAMR21E16A-MU Price                         | ATSAMR21E16A-MU Pictures               | ATSAMR21E16A-MU Image                                  |
| ATSAMR21E16A-MU PDF Datasheet                 | ATSAMR21E16A-MU Download Datasheet     | ATSAMR21E16A-MU Datasheet                              |
| ATSAMR21E16A-MU Stock                         | Buy ATSAMR21E16A-MU                    | Buy Micrel / Microchip Technology ATSAMR21E16A-MU      |
| Micrel / Microchip Technology ATSAMR21E16A-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMR21E16A-MU | Microchip Technology ATSAMR21E16A-MU   | Roving Networks / Microchip Technology ATSAMR21E16A-MU |

Related Products

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |
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| <div><div><b>ATSAMR21B18-MZ210PA</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: RF TXRX MOD 802.15.4 TRACE ANT</div><div>In stock: 9502 pcs</div><div>RFQ</div></div></div>    | <div><div><b>ATSAMR21E17A-MF</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 24343 pcs</div><div>RFQ</div></div></div>  |
| <div><div><b>ATSAMR21E16A-MF</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 24261 pcs</div><div>RFQ</div></div></div>  | <div><div><b>ATSAMR21E16A-MUT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 24770 pcs</div><div>RFQ</div></div></div> |
| <div><div><b>ATSAMR21-XPRO</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: EVAL BOARD SAM R21 PRO</div><div>In stock: 1728 pcs</div><div>RFQ</div></div></div>                  | <div><div><b>ATSAMR21E16A-MUT</b><div>Manufacturers: Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 27994 pcs</div><div>RFQ</div></div></div>          |
| <div><div><b>ATSAMR21E16A-MU</b><div>Manufacturers: Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 25406 pcs</div><div>RFQ</div></div></div>           | <div><div><b>ATSAMR21E17A-MFT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 22697 pcs</div><div>RFQ</div></div></div> |
| <div><div><b>ATSAMR21E17A-MFT</b><div>Manufacturers: Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 22943 pcs</div><div>RFQ</div></div></div>          | <div><div><b>ATSAMR21E16A-MFT</b><div>Manufacturers: Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 24558 pcs</div><div>RFQ</div></div></div>          |
| <div><div><b>ATSAMR21E16A-MFT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC RF TXRX+MCU ISM&gt;1GHZ 32-VFQFN</div><div>In stock: 21422 pcs</div><div>RFQ</div></div></div> | <div><div><b>ATSAMR21B18-MZ210PAT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: RF TXRX MOD 802.15.4 TRACE ANT</div><div>In stock: 4826 pcs</div><div>RFQ</div></div></div>   |