



ATSAMD21G16B-MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD21G16B-MU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 64KB FLASH 48QFN                                                                                |
|                     |  1.ATSAMD21G16B-MU.pdf      |
|                     |  2.ATSAMD21G16B-MU.pdf      |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

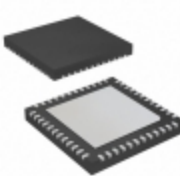
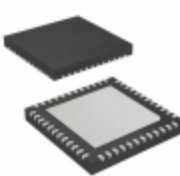
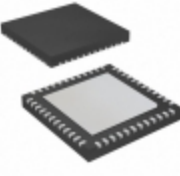
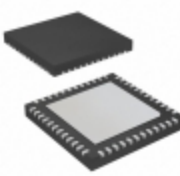
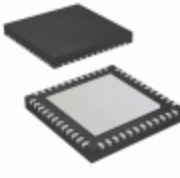
Specifications of ATSAMD21G16B-MU

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD21G16B-MU                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48QFN                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| DATA SHEET                       |  1.ATSAMD21G16B-MU.pdf<br> 2.ATSAMD21G16B-MU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 48-QFN (7x7)                                                                                                                                                                                                           |
| SPEED                            | 48MHz                                                                                                                                                                                                                  |
| SERIES                           | SAM D21G                                                                                                                                                                                                               |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                        |
| PACKAGING                        | Tray                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 38                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 15 Weeks                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D21G Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 48-QFN (7x7)                                                                                                                            |
| DATA CONVERTERS                  | A/D 14x12b, D/A 1x10b                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                                                                                       |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART, USB                                                                                                                                                                                      |
| BASE PART NUMBER                 | ATSAMD21G16                                                                                                                                                                                                            |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD21G16B-MU | ATSAMD21G16B-MU Distributor            | ATSAMD21G16B-MU Supplier                               |
| ATSAMD21G16B-MU Price                         | ATSAMD21G16B-MU Pictures               | ATSAMD21G16B-MU Image                                  |
| ATSAMD21G16B-MU PDF Datasheet                 | ATSAMD21G16B-MU Download Datasheet     | ATSAMD21G16B-MU Datasheet                              |
| ATSAMD21G16B-MU Stock                         | Buy ATSAMD21G16B-MU                    | Buy Micrel / Microchip Technology ATSAMD21G16B-MU      |
| Micrel / Microchip Technology ATSAMD21G16B-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMD21G16B-MU | Microchip Technology ATSAMD21G16B-MU   | Roving Networks / Microchip Technology ATSAMD21G16B-MU |

Related Products

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| <div></div> <div><b>ATSAMD21G16B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/>In stock: 449 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATSAMD21G16B-MF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATSAMD21G16B-MUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>           | <div></div> <div><b>ATSAMD21G16B-MFT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
| <div></div> <div><b>ATSAMD21G17A-AF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 48TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMD21G16B-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATSAMD21G16B-MFT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>ATSAMD21G16B-AFT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
| <div></div> <div><b>ATSAMD21G16B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMD21G16L-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATSAMD21G16L-MNT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>           | <div></div> <div><b>ATSAMD21G16L-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 48QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |