



Micrel / Microchip Technology



ATSAMD20E16A-MUT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20E16A-MUT                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 64KB FLASH 32QFN                                                                                |
|                     |  1.ATSAMD20E16A-MUT.pdf     |
|                     |  2.ATSAMD20E16A-MUT.pdf     |
|                     |  3.ATSAMD20E16A-MUT.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

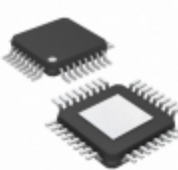
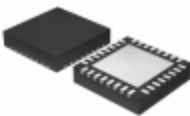
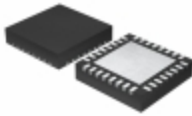
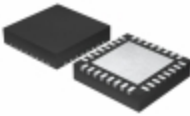
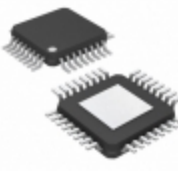
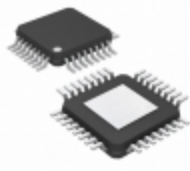
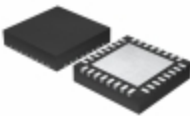
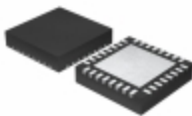
Specifications of ATSAMD20E16A-MUT

|                                  |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20E16A-MUT                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32QFN                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.ATSAMD20E16A-MUT.pdf<br> 2.ATSAMD20E16A-MUT.pdf<br> 3.ATSAMD20E16A-MUT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (5x5)                                                                                                                                                                                                                                                                                                                           |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | SAM D20E                                                                                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                   |
| OTHER NAMES                      | ATSAMD20E16A-MUTTR                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 26                                                                                                                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 25 Weeks                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D20E Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 32-QFN (5x5)                                                                                                                                                                                                                                            |
| DATA CONVERTERS                  | A/D 10x12b, D/A 1x10b                                                                                                                                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                                                                                                                                                                                                       |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                   |
| BASE PART NUMBER                 | ATSAMD20E16                                                                                                                                                                                                                                                                                                                            |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20E16A-MUT | ATSAMD20E16A-MUT Distributor           | ATSAMD20E16A-MUT Supplier                               |
| ATSAMD20E16A-MUT Price                         | ATSAMD20E16A-MUT Pictures              | ATSAMD20E16A-MUT Image                                  |
| ATSAMD20E16A-MUT PDF Datasheet                 | ATSAMD20E16A-MUT Download Datasheet    | ATSAMD20E16A-MUT Datasheet                              |
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| Micrel / Microchip Technology ATSAMD20E16A-MUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMD20E16A-MUT | Microchip Technology ATSAMD20E16A-MUT  | Roving Networks / Microchip Technology ATSAMD20E16A-MUT |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
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| <div></div> <div><b>ATSAMD20E16A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: 113 pcs<br/><div>RFQ</div></div>      | <div></div> <div><b>ATSAMD20E16A-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>ATSAMD20E16B-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32QFN 105C, GREEN,1.6-3.6V,48MHZ<br/>In stock: 437 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATSAMD20E16A-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
| <div></div> <div><b>ATSAMD20E16A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>ATSAMD20E16B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATSAMD20E16A-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>ATSAMD20E16B-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32QFN 105C, GREEN,1.6-3.6V,48MHZ<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATSAMD20E16B-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP 105C, GREEN,1.6-3.6V,48MH<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMD20E16B-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP 105C, GREEN,1.6-3.6V,48MH<br/>In stock: 500 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>ATSAMD20E16A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 64KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>     | <div></div> <div><b>ATSAMD20E16B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,<br/>In stock: 540 pcs<br/><div>RFQ</div></div>    |