



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAMD20G15B-MU**

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20G15B-MU                                                                                                                                                                                                                                                                                                                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                  |
| Product description | 48QFN IND TEMP, GREEN,1.6-3.6V,4                                                                                                                                                                                                                                                                                                                                                                               |
| Datasheets:         | <div>  <a href="#">1.ATSAMD20G15B-MU.pdf</a> </div> <div>  <a href="#">2.ATSAMD20G15B-MU.pdf</a> </div> <div>  <a href="#">3.ATSAMD20G15B-MU.pdf</a> </div> |
| Stock Condition     | 56871 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                          |

REQUEST FOR QUOTATION

Specifications of ATSAMD20G15B-MU

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| PART NUMBER                      | ATSAMD20G15B-MU                                                                                                                                                                                                                                                                                                                                                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | 48QFN IND TEMP, GREEN,1.6-3.6V,4                                                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| QUANTITY AVAILABLE               | 56871 pcs                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       | <div>  <a href="#">1.ATSAMD20G15B-MU.pdf</a> </div> <div>  <a href="#">2.ATSAMD20G15B-MU.pdf</a> </div> <div>  <a href="#">3.ATSAMD20G15B-MU.pdf</a> </div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 48-VQFN (7x7)                                                                                                                                                                                                                                                                                                                                                                                                        |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                                                                                                |
| SERIES                           | SAM D20G                                                                                                                                                                                                                                                                                                                                                                                                             |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                                                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, 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)                                                                                                                                                                                                                                                                                                                                                                                                        |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D20G Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 48-VQFN (7x7)                                                                                                                                                                                                                                                                                                                         |
| DATA CONVERTERS                  | A/D 14x12b, D/A 1x10b                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                                                                                                                                                                                                                                                                                     |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20G15B-MU | ATSAMD20G15B-MU Distributor            | ATSAMD20G15B-MU Supplier                               |
| ATSAMD20G15B-MU Price                         | ATSAMD20G15B-MU Pictures               | ATSAMD20G15B-MU Image                                  |
| ATSAMD20G15B-MU PDF Datasheet                 | ATSAMD20G15B-MU Download Datasheet     | ATSAMD20G15B-MU Datasheet                              |
| ATSAMD20G15B-MU Stock                         | Buy ATSAMD20G15B-MU                    | Buy Micrel / Microchip Technology ATSAMD20G15B-MU      |
| Micrel / Microchip Technology ATSAMD20G15B-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMD20G15B-MU | Microchip Technology ATSAMD20G15B-MU   | Roving Networks / Microchip Technology ATSAMD20G15B-MU |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
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|  <div> <b>ATSAMD20G15B-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 48QFN IND TEMP, GREEN,1.6-3.6V,4<br/> In stock: 56541 pcs </div> <div> RFQ </div> |  <div> <b>ATSAMD20G15A-MN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 48QFN<br/> In stock: 73305 pcs </div> <div> RFQ </div>     |
|  <div> <b>ATSAMD20G15A-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 48QFN<br/> In stock: 43106 pcs </div> <div> RFQ </div>     |  <div> <b>ATSAMD20G16A-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/> In stock: 52936 pcs </div> <div> RFQ </div>   |
|  <div> <b>ATSAMD20G16A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/> In stock: 41226 pcs </div> <div> RFQ </div>    |  <div> <b>ATSAMD20G15A-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 48QFN<br/> In stock: 50727 pcs </div> <div> RFQ </div>    |
|  <div> <b>ATSAMD20G16A-MN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 48QFN<br/> In stock: 56727 pcs </div> <div> RFQ </div>     |  <div> <b>ATSAMD20G15A-MNT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 48QFN<br/> In stock: 56737 pcs </div> <div> RFQ </div>    |
|  <div> <b>ATSAMD20G16A-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/> In stock: 59809 pcs </div> <div> RFQ </div>   |  <div> <b>ATSAMD20G16A-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 64KB FLASH 48TQFP<br/> In stock: 63665 pcs </div> <div> RFQ </div>    |
|  <div> <b>ATSAMD20G15B-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,<br/> In stock: 57714 pcs </div> <div> RFQ </div>  |  <div> <b>ATSAMD20G15B-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,<br/> In stock: 55675 pcs </div> <div> RFQ </div> |