

 **MICREL / Microchip Technology**



Image may be representation. See specifications for product details.

ATSAMD20G15B-MUT

|                     |                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20G15B-MUT                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                        |
| Product description | 48QFN IND TEMP, GREEN,1.6-3.6V,4<br> 1.ATSAMD20G15B-MUT.pdf<br> 2.ATSAMD20G15B-MUT.pdf<br> 3.ATSAMD20G15B-MUT.pdf |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                      |
| Stock Condition     | 56541 pcs stock                                                                                                                                                                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                |

REQUEST FOR QUOTATION

Specifications of ATSAMD20G15B-MUT

|                                  |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20G15B-MUT                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                          |
| DESCRIPTION                      | 48QFN IND TEMP, GREEN,1.6-3.6V,4                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 56541 pcs                                                                                                                                                                                                                                                                                                                              |
| DATA SHEET                       |  1.ATSAMD20G15B-MUT.pdf<br> 2.ATSAMD20G15B-MUT.pdf<br> 3.ATSAMD20G15B-MUT.pdf |
| 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                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                   |
| OTHER NAMES                      | ATSAMD20G15B-MUTTR                                                                                                                                                                                                                                                                                                                     |
| 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-MUT | ATSAMD20G15B-MUT Distributor           | ATSAMD20G15B-MUT Supplier                               |
| ATSAMD20G15B-MUT Price                         | ATSAMD20G15B-MUT Pictures              | ATSAMD20G15B-MUT Image                                  |
| ATSAMD20G15B-MUT PDF Datasheet                 | ATSAMD20G15B-MUT Download Datasheet    | ATSAMD20G15B-MUT Datasheet                              |
| ATSAMD20G15B-MUT Stock                         | Buy ATSAMD20G15B-MUT                   | Buy Micrel / Microchip Technology ATSAMD20G15B-MUT      |
| Micrel / Microchip Technology ATSAMD20G15B-MUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMD20G15B-MUT | Microchip Technology ATSAMD20G15B-MUT  | Roving Networks / Microchip Technology ATSAMD20G15B-MUT |

Related Products

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|  <b>ATSAMD20G15A-MNT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 48QFN<br>In stock: 56737 pcs<br><b>RFQ</b>  |  <b>ATSAMD20G15A-MUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 48QFN<br>In stock: 50727 pcs<br><b>RFQ</b>    |
|  <b>ATSAMD20G16A-AUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br>In stock: 52936 pcs<br><b>RFQ</b> |  <b>ATSAMD20G15B-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,<br>In stock: 57714 pcs<br><b>RFQ</b>  |
|  <b>ATSAMD20G15A-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 32KB FLASH 48QFN<br>In stock: 43106 pcs<br><b>RFQ</b>   |  <b>ATSAMD20G16A-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br>In stock: 41226 pcs<br><b>RFQ</b>    |
|  <b>ATSAMD20G16A-MNT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 50255 pcs<br><b>RFQ</b>  |  <b>ATSAMD20G15B-AUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,<br>In stock: 55675 pcs<br><b>RFQ</b> |
|  <b>ATSAMD20G16A-MN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48QFN<br>In stock: 56727 pcs<br><b>RFQ</b>   |  <b>ATSAMD20G15B-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: 48QFN IND TEMP, GREEN,1.6-3.6V,4<br>In stock: 56871 pcs<br><b>RFQ</b>  |
|  <b>ATSAMD20G16A-AN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br>In stock: 63665 pcs<br><b>RFQ</b>  |  <b>ATSAMD20G16A-ANT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 64KB FLASH 48TQFP<br>In stock: 59809 pcs<br><b>RFQ</b>   |