



**Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**ATSAMD20J15A-AUT**

|                     |                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20J15A-AUT                                                                                                                                   |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                      |
| Product description | IC MCU 32BIT 32KB FLASH 64LQFP                                                                                                                     |
|                     | <div>PDF</div> <div>1.ATSAMD20J15A-AUT.pdf</div> <div>PDF</div> <div>2.ATSAMD20J15A-AUT.pdf</div> <div>PDF</div> <div>3.ATSAMD20J15A-AUT.pdf</div> |
| Datasheets:         |                                                                                                                                                    |
| RoHs Status         | <div>  Lead free / RoHS Compliant </div>                          |
| Stock Condition     | 58481 pcs stock                                                                                                                                    |
| Ship From           | Hong Kong                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                              |

REQUEST FOR QUOTATION

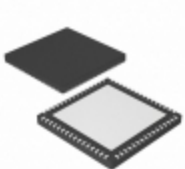
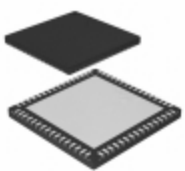
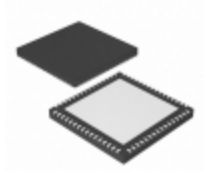
Specifications of ATSAMD20J15A-AUT

|                                  |                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20J15A-AUT                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 64LQFP                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                         |
| QUANTITY AVAILABLE               | 58481 pcs                                                                                                                                          |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAMD20J15A-AUT.pdf</div> <div>PDF</div> <div>2.ATSAMD20J15A-AUT.pdf</div> <div>PDF</div> <div>3.ATSAMD20J15A-AUT.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                    |
| SPEED                            | 48MHz                                                                                                                                              |
| SERIES                           | SAM D20J                                                                                                                                           |
| 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                   | 64-LQFP                                                                                                                                            |
| OTHER NAMES                      | ATSAMD20J15A-AUTTR                                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                  |
| NUMBER OF I/O                    | 52                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D20J Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 64-LQFP (10x10)                                                     |
| DATA CONVERTERS                  | A/D 20x12b, D/A 1x10b                                                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                   |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                               |
| BASE PART NUMBER                 | ATSAMD20J15                                                                                                                                        |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20J15A-AUT | ATSAMD20J15A-AUT Distributor           | ATSAMD20J15A-AUT Supplier                               |
| ATSAMD20J15A-AUT Price                         | ATSAMD20J15A-AUT Pictures              | ATSAMD20J15A-AUT Image                                  |
| ATSAMD20J15A-AUT PDF Datasheet                 | ATSAMD20J15A-AUT Download Datasheet    | ATSAMD20J15A-AUT Datasheet                              |
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| Micrel / Microchip Technology ATSAMD20J15A-AUT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMD20J15A-AUT | Microchip Technology ATSAMD20J15A-AUT  | Roving Networks / Microchip Technology ATSAMD20J15A-AUT |

Related Products

|                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>  <div> <b>ATSAMD20J15A-AU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/> In stock: 42954 pcs </div> <div>RFQ</div> </div>    | <div>  <div> <b>ATSAMD20J15A-CNT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64UFBGA<br/> In stock: 48305 pcs </div> <div>RFQ</div> </div>  |
| <div>  <div> <b>ATSAMD20J15A-CU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64UFBGA<br/> In stock: 57825 pcs </div> <div>RFQ</div> </div>   | <div>  <div> <b>ATSAMD20J14B-MU</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 64QFN IND TEMP, GREEN,1.6-3.6V,4<br/> In stock: 50618 pcs </div> <div>RFQ</div> </div>  |
| <div>  <div> <b>ATSAMD20J15A-CUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64UFBGA<br/> In stock: 44935 pcs </div> <div>RFQ</div> </div>  | <div>  <div> <b>ATSAMD20J15A-CN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64UFBGA<br/> In stock: 45907 pcs </div> <div>RFQ</div> </div>   |
| <div>  <div> <b>ATSAMD20J15A-ANT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64TQFP<br/> In stock: 50867 pcs </div> <div>RFQ</div> </div>   | <div>  <div> <b>ATSAMD20J15A-MN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64QFN<br/> In stock: 53374 pcs </div> <div>RFQ</div> </div>     |
| <div>  <div> <b>ATSAMD20J14B-MUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 64QFN IND TEMP, GREEN,1.6-3.6V,4<br/> In stock: 53002 pcs </div> <div>RFQ</div> </div> | <div>  <div> <b>ATSAMD20J15A-CUT</b> </div> <div> Manufacturers: Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64UFBGA<br/> In stock: 51425 pcs </div> <div>RFQ</div> </div>           |
| <div>  <div> <b>ATSAMD20J15A-AN</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: IC MCU 32BIT 32KB FLASH 64TQFP<br/> In stock: 57945 pcs </div> <div>RFQ</div> </div>    | <div>  <div> <b>ATSAMD20J14B-AUT</b> </div> <div> Manufacturers: Micrel / Microchip Technology<br/> Description: 64TQFP IND TEMP, GREEN,1.6-3.6V,<br/> In stock: 53803 pcs </div> <div>RFQ</div> </div> |