

MICROCHIP

Micrel / Microchip Technology

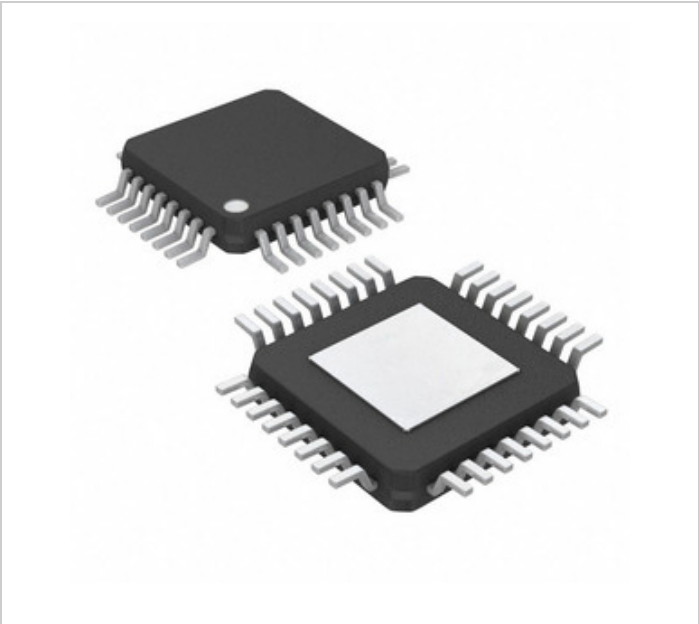


Image may be representation. See specifications for product details.

ATSAMD20E15A-AU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20E15A-AU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 32KB FLASH 32TQFP                                                                               |
|                     | <a href="#">1.ATSAMD20E15A-AU.pdf</a>                                                                        |
|                     | <a href="#">2.ATSAMD20E15A-AU.pdf</a>                                                                        |
|                     | <a href="#">3.ATSAMD20E15A-AU.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

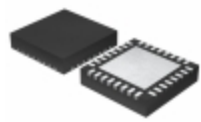
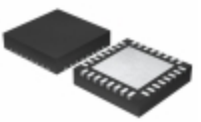
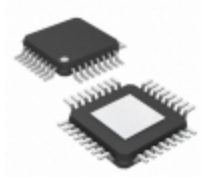
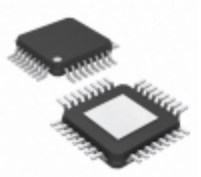
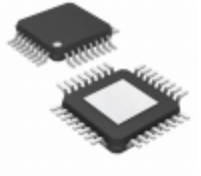
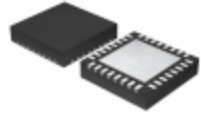
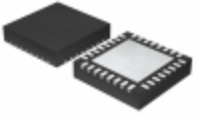
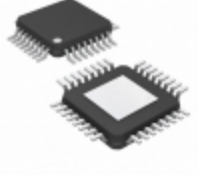
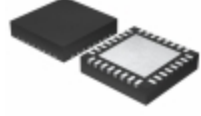
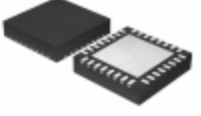
Specifications of ATSAMD20E15A-AU

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20E15A-AU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32TQFP                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       | <a href="#">1.ATSAMD20E15A-AU.pdf</a><br><a href="#">2.ATSAMD20E15A-AU.pdf</a><br><a href="#">3.ATSAMD20E15A-AU.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)                                                                                                           |
| SPEED                            | 48MHz                                                                                                                   |
| SERIES                           | SAM D20E                                                                                                                |
| 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                   | 32-TQFP                                                                                                                 |
| 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 32KB (32K x 8) FLASH 32-TQFP (7x7)                            |
| 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                 | ATSAMD20E15                                                                                                             |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20E15A-AU | ATSAMD20E15A-AU Distributor            | ATSAMD20E15A-AU Supplier                               |
| ATSAMD20E15A-AU Price                         | ATSAMD20E15A-AU Pictures               | ATSAMD20E15A-AU Image                                  |
| ATSAMD20E15A-AU PDF Datasheet                 | ATSAMD20E15A-AU Download Datasheet     | ATSAMD20E15A-AU Datasheet                              |
| ATSAMD20E15A-AU Stock                         | Buy ATSAMD20E15A-AU                    | Buy Micrel / Microchip Technology ATSAMD20E15A-AU      |
| Micrel / Microchip Technology ATSAMD20E15A-AU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMD20E15A-AU | Microchip Technology ATSAMD20E15A-AU   | Roving Networks / Microchip Technology ATSAMD20E15A-AU |

Related Products

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
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|  <div><b>ATSAMD20E15A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: 212 pcs<br/><a href="#">RFQ</a></div>       |  <div><b>ATSAMD20E15A-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>    |
|  <div><b>ATSAMD20E15B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,<br/>In stock: 500 pcs<br/><a href="#">RFQ</a></div>    |  <div><b>ATSAMD20E14B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,<br/>In stock: 500 pcs<br/><a href="#">RFQ</a></div>    |
|  <div><b>ATSAMD20E15A-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>    |  <div><b>ATSAMD20E14B-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>ATSAMD20E14B-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>ATSAMD20E15A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>    |
|  <div><b>ATSAMD20E15A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |  <div><b>ATSAMD20E15A-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |
|  <div><b>ATSAMD20E15A-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>     |  <div><b>ATSAMD20E14B-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4<br/>In stock: 980 pcs<br/><a href="#">RFQ</a></div>    |