




Micrel / Microchip Technology

## ATSAMD20J17A-CUT

|                      |  |
|----------------------|--|
| Part Number:         | ATSAMD20J17A-CUT   |
| Manufacturer/Brand:  | Micrel / Microchip Technology  |
| Product description: | IC MCU 32BIT 128KB FLASH 64UFBGA   |
| Datasheets:          | <a href="#">1.ATSAMD20J17A-CUT.pdf</a><br><a href="#">2.ATSAMD20J17A-CUT.pdf</a><br><a href="#">3.ATSAMD20J17A-CUT.pdf</a> |
| RoHS Status:         |  Lead free / RoHS Compliant               |
| Ship From:           | Hong Kong  |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS  |

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Image may be representation. See specifications for product details.




### Specifications of ATSAMD20J17A-CUT

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|----------------------------------|--|
| PART NUMBER                      | ATSAMD20J17A-CUT   |
| MANUFACTURER                     | Micrel / Microchip Technology  |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 64UFBGA   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       | <a href="#">1.ATSAMD20J17A-CUT.pdf</a><br><a href="#">2.ATSAMD20J17A-CUT.pdf</a><br><a href="#">3.ATSAMD20J17A-CUT.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V   |
| SUPPLIER DEVICE PACKAGE          | 64-UFBGA (5x5)   |
| SPEED                            | 48MHz  |
| SERIES                           | SAM D20J   |
| RAM SIZE                         | 16K x 8  |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)   |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT   |
| PACKAGING                        | Tape & Reel (TR)   |
| PACKAGE / CASE                   | 64-UFBGA   |
| OTHER NAMES                      | ATSAMD20J17A-CUT-ND<br>ATSAMD20J17A-CUTTR  |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)  |
| NUMBER OF I/O                    | 52   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| MANUFACTURER STANDARD LEAD TIME  | 27 Weeks   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| EEPROM SIZE                      | -  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D20J Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 64-UFBGA (5x5)                            |
| DATA CONVERTERS                  | A/D 20x12b, D/A 1x10b  |
| CORE SIZE                        | 32-Bit   |
| CORE PROCESSOR                   | ARM® Cortex®-M0+   |
| CONNECTIVITY                     | I <sup>2</sup> C, SPI, UART/USART  |
| BASE PART NUMBER                 | ATSAMD20J17  |

### Related Tags

|  |  |   |
|--|--|---|
| Micrel / Microchip Technology ATSAMD20J17A-CUT | ATSAMD20J17A-CUT Distributor           | ATSAMD20J17A-CUT Supplier                               |
| ATSAMD20J17A-CUT Price                         | ATSAMD20J17A-CUT Pictures              | ATSAMD20J17A-CUT Image                                  |
| ATSAMD20J17A-CUT PDF Datasheet                 | ATSAMD20J17A-CUT Download Datasheet    | ATSAMD20J17A-CUT Datasheet                              |
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| Micrel / Microchip Technology ATSAMD20J17A-CUT | Microchip Technology ATSAMD20J17A-CUT  | Roving Networks / Microchip Technology ATSAMD20J17A-CUT |

### Related Products

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|  <p><b>ATSAMD20J17A-MN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>    |  <p><b>ATSAMD20J17A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 520 pcs<br/><a href="#">RFQ</a></p>     |
|  <p><b>ATSAMD20J18A-AN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 261 pcs<br/><a href="#">RFQ</a></p>     |  <p><b>ATSAMD20J17A-CUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>         |
|  <p><b>ATSAMD20J17A-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 25 pcs<br/><a href="#">RFQ</a></p>      |  <p><b>ATSAMD20J17A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |
|  <p><b>ATSAMD20J17A-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>  |  <p><b>ATSAMD20J17A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |
|  <p><b>ATSAMD20J17A-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></p>   |  <p><b>ATSAMD20J17A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |
|  <p><b>ATSAMD20J17A-CNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |  <p><b>ATSAMD20J18A-ANT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></p> |