



Micrel / Microchip Technology

ATSAMD20J18A-MNT

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| Part Number: | ATSAMD20J18A-MNT |
| Manufacturer/Brand: | Micrel / Microchip Technology |
| Product description: | IC MCU 32BIT 256KB FLASH 64QFN |
| Datasheets: | 1.ATSAMD20J18A-MNT.pdf 2.ATSAMD20J18A-MNT.pdf 3.ATSAMD20J18A-MNT.pdf |
| RoHS Status: | Lead free / RoHS Compliant |
| Stock Condition: | 68506 pcs stock |
| 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 ATSAMD20J18A-MNT

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|----------------------------------|--|
| PART NUMBER | ATSAMD20J18A-MNT |
| MANUFACTURER | Micrel / Microchip Technology |
| DESCRIPTION | IC MCU 32BIT 256KB FLASH 64QFN |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| QUANTITY AVAILABLE | 68506 pcs |
| DATA SHEET | 1.ATSAMD20J18A-MNT.pdf 2.ATSAMD20J18A-MNT.pdf 3.ATSAMD20J18A-MNT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD) | 1.62 V ~ 3.6 V |
| SUPPLIER DEVICE PACKAGE | 64-QFN (9x9) |
| SPEED | 48MHz |
| SERIES | SAM D20J |
| RAM SIZE | 32K x 8 |
| PROGRAM MEMORY TYPE | FLASH |
| PROGRAM MEMORY SIZE | 256KB (256K x 8) |
| PERIPHERALS | Brown-out Detect/Reset, POR, WDT |
| PACKAGING | Cut Tape (CT) |
| PACKAGE / CASE | 64-VFQFN Exposed Pad |
| OTHER NAMES | 1611-ATSAMD20J18A-MNTCT |
| OSCILLATOR TYPE | Internal |
| OPERATING TEMPERATURE | -40°C ~ 105°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 256KB (256K x 8) FLASH 64-QFN (9x9) |
| DATA CONVERTERS | A/D 20x12b, D/A 1x10b |
| CORE SIZE | 32-Bit |
| CORE PROCESSOR | ARM® Cortex®-M0+ |
| CONNECTIVITY | I ² C, SPI, UART/USART |

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| <p>ATSAMD21BLDC24V-STK Manufacturers: Micrel / Microchip Technology Description: SAMD21J18A MOTOR CONTROL KIT In stock: 137 pcs RFQ</p> | <p>ATSAMD20J18A-MUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 256KB FLASH 64QFN In stock: 38246 pcs RFQ</p> |
| <p>ATSAMD20J18A-MN Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 256KB FLASH 64QFN In stock: 45101 pcs RFQ</p> | <p>ATSAMD20J18A-CUT Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 256KB FLASH 64UFBGA In stock: 37544 pcs RFQ</p> |
| <p>ATSAMD21E15A-AU Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 32KB FLASH 32TQFP In stock: 267443 pcs RFQ</p> | <p>ATSAMD20J18A-CU Manufacturers: Micrel / Microchip Technology Description: IC MCU 32BIT 256KB FLASH 64UFBGA In stock: 38636 pcs RFQ</p> |
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