



ATSAMD20J18A-MN

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20J18A-MN                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 256KB FLASH 64QFN                                                                               |
|                     | <a href="#">1.ATSAMD20J18A-MN.pdf</a>                                                                        |
|                     | <a href="#">2.ATSAMD20J18A-MN.pdf</a>                                                                        |
|                     | <a href="#">3.ATSAMD20J18A-MN.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

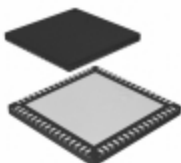
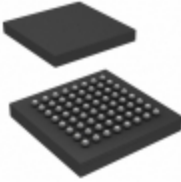
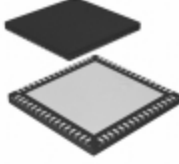
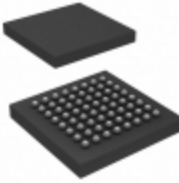
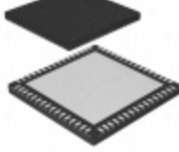
Specifications of ATSAMD20J18A-MN

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20J18A-MN                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64QFN                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       | <a href="#">1.ATSAMD20J18A-MN.pdf</a><br><a href="#">2.ATSAMD20J18A-MN.pdf</a><br><a href="#">3.ATSAMD20J18A-MN.pdf</a> |
| 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                        | Tray                                                                                                                    |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 52                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 16 Weeks                                                                                                                |
| 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                     | I²C, SPI, UART/USART                                                                                                    |
| BASE PART NUMBER                 | ATSAMD20J18                                                                                                             |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20J18A-MN | ATSAMD20J18A-MN Distributor            | ATSAMD20J18A-MN Supplier                               |
| ATSAMD20J18A-MN Price                         | ATSAMD20J18A-MN Pictures               | ATSAMD20J18A-MN Image                                  |
| ATSAMD20J18A-MN PDF Datasheet                 | ATSAMD20J18A-MN Download Datasheet     | ATSAMD20J18A-MN Datasheet                              |
| ATSAMD20J18A-MN Stock                         | Buy ATSAMD20J18A-MN                    | Buy Micrel / Microchip Technology ATSAMD20J18A-MN      |
| Micrel / Microchip Technology ATSAMD20J18A-MN | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology ATSAMD20J18A-MN | Microchip Technology ATSAMD20J18A-MN   | Roving Networks / Microchip Technology ATSAMD20J18A-MN |

Related Products

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |
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|  <div><b>ATSAMD20J18A-MUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>ATSAMD20J18A-AUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>ATSAMD20J18A-CUT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>ATSAMD20J18A-CNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>ATSAMD20J18A-CUT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: Out stock<br/>RFQ</div>          |  <div><b>ATSAMD20J18A-MNT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>ATSAMD20J18A-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>ATSAMD20J18A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>ATSAMD20J18A-MNT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>            |  <div><b>ATSAMD20J18A-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 184 pcs<br/>RFQ</div>      |
|  <div><b>ATSAMD21-XPRO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL BOARD SAM D21 XPLAINED PRO<br/>In stock: 637 pcs<br/>RFQ</div>       |  <div><b>ATSAMD21BLDC24V-STK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMD21J18A MOTOR CONTROL KIT<br/>In stock: 4 pcs<br/>RFQ</div>      |