


**Micrel / Microchip Technology**

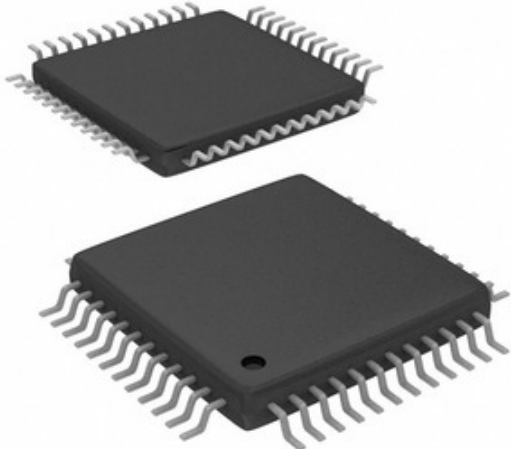


Image may be representation. See specifications for product details.

**ATSAMD20G18A-ANT**

|                     |                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20G18A-ANT                                                                                                                                   |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                      |
| Product description | IC MCU 32BIT 256KB FLASH 48TQFP                                                                                                                    |
| Datasheets:         | <div>PDF</div> <div>1.ATSAMD20G18A-ANT.pdf</div> <div>PDF</div> <div>2.ATSAMD20G18A-ANT.pdf</div> <div>PDF</div> <div>3.ATSAMD20G18A-ANT.pdf</div> |
| RoHs Status         |  Lead free / RoHS Compliant                                       |
| Stock Condition     | 40257 pcs stock                                                                                                                                    |
| Ship From           | Hong Kong                                                                                                                                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                              |

REQUEST FOR QUOTATION

Specifications of ATSAMD20G18A-ANT

|                                  |                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20G18A-ANT                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 48TQFP                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                         |
| QUANTITY AVAILABLE               | 40257 pcs                                                                                                                                          |
| DATA SHEET                       | <div>PDF</div> <div>1.ATSAMD20G18A-ANT.pdf</div> <div>PDF</div> <div>2.ATSAMD20G18A-ANT.pdf</div> <div>PDF</div> <div>3.ATSAMD20G18A-ANT.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 48-TQFP (7x7)                                                                                                                                      |
| SPEED                            | 48MHz                                                                                                                                              |
| SERIES                           | SAM D20G                                                                                                                                           |
| RAM SIZE                         | 32K x 8                                                                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT                                                                                                                   |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                   |
| PACKAGE / CASE                   | 48-TQFP                                                                                                                                            |
| OTHER NAMES                      | ATSAMD20G18A-ANT-ND<br>ATSAMD20G18A-ANTTR                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                 |
| NUMBER OF I/O                    | 38                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ SAM D20G Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 48-TQFP (7x7)                                                     |
| DATA CONVERTERS                  | A/D 14x12b, D/A 1x10b                                                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                   |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                               |
| BASE PART NUMBER                 | ATSAMD20G18                                                                                                                                        |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20G18A-ANT | ATSAMD20G18A-ANT Distributor           | ATSAMD20G18A-ANT Supplier                               |
| ATSAMD20G18A-ANT Price                         | ATSAMD20G18A-ANT Pictures              | ATSAMD20G18A-ANT Image                                  |
| ATSAMD20G18A-ANT PDF Datasheet                 | ATSAMD20G18A-ANT Download Datasheet    | ATSAMD20G18A-ANT Datasheet                              |
| ATSAMD20G18A-ANT Stock                         | Buy ATSAMD20G18A-ANT                   | Buy Micrel / Microchip Technology ATSAMD20G18A-ANT      |
| Micrel / Microchip Technology ATSAMD20G18A-ANT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMD20G18A-ANT | Microchip Technology ATSAMD20G18A-ANT  | Roving Networks / Microchip Technology ATSAMD20G18A-ANT |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAMD20G17A-MNT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 48QFN<br>In stock: 51004 pcs<br><div>RFQ</div>   |  <b>ATSAMD20G18A-AU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br>In stock: 37778 pcs<br><div>RFQ</div> |
|  <b>ATSAMD20G17A-UUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 45WLCSP<br>In stock: 48712 pcs<br><div>RFQ</div> |  <b>ATSAMD20G17A-MUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 48QFN<br>In stock: 53104 pcs<br><div>RFQ</div> |
|  <b>ATSAMD20G18A-ANT</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br>In stock: 44297 pcs<br><div>RFQ</div>           |  <b>ATSAMD20G17A-UUT</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 45WLCSP<br>In stock: 51624 pcs<br><div>RFQ</div>        |
|  <b>ATSAMD20G18A-AUT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br>In stock: 36229 pcs<br><div>RFQ</div>  |  <b>ATSAMD20G18A-AN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48TQFP<br>In stock: 42554 pcs<br><div>RFQ</div> |
|  <b>ATSAMD20G18A-MNT</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48QFN<br>In stock: 40275 pcs<br><div>RFQ</div>            |  <b>ATSAMD20G18A-MNT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48QFN<br>In stock: 42736 pcs<br><div>RFQ</div> |
|  <b>ATSAMD20G17A-MU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 128KB FLASH 48QFN<br>In stock: 45421 pcs<br><div>RFQ</div>    |  <b>ATSAMD20G18A-MN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 256KB FLASH 48QFN<br>In stock: 43035 pcs<br><div>RFQ</div>  |