

MICROCHIP

Micrel / Microchip Technology



ATSAMD20G14A-MN

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMD20G14A-MN                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 16KB FLASH 48QFN                                                                                |
|                     |  1.ATSAMD20G14A-MN.pdf      |
|                     |  2.ATSAMD20G14A-MN.pdf      |
|                     |  3.ATSAMD20G14A-MN.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 68254 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

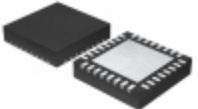
Specifications of ATSAMD20G14A-MN

|                                  |                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMD20G14A-MN                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 16KB FLASH 48QFN                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                          |
| QUANTITY AVAILABLE               | 68254 pcs                                                                                                                                                                                                                                                                                                                           |
| DATA SHEET                       |  1.ATSAMD20G14A-MN.pdf<br> 2.ATSAMD20G14A-MN.pdf<br> 3.ATSAMD20G14A-MN.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.62 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 48-QFN (7x7)                                                                                                                                                                                                                                                                                                                        |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                               |
| SERIES                           | SAM D20G                                                                                                                                                                                                                                                                                                                            |
| RAM SIZE                         | 2K x 8                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                                                                                                                                                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                |
| 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 16KB (16K x 8) FLASH 48-QFN (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                 | ATSAMD20G14                                                                                                                                                                                                                                                                                                                         |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology ATSAMD20G14A-MN | ATSAMD20G14A-MN Distributor            | ATSAMD20G14A-MN Supplier                               |
| ATSAMD20G14A-MN Price                         | ATSAMD20G14A-MN Pictures               | ATSAMD20G14A-MN Image                                  |
| ATSAMD20G14A-MN PDF Datasheet                 | ATSAMD20G14A-MN Download Datasheet     | ATSAMD20G14A-MN Datasheet                              |
| ATSAMD20G14A-MN Stock                         | Buy ATSAMD20G14A-MN                    | Buy Micrel / Microchip Technology ATSAMD20G14A-MN      |
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Related Products

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                              |
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|  <div>ATSAMD20G14B-MU</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: 48QFN IND TEMP, GREEN,1.6-3.6V,4</div> <div>In stock: 50730 pcs</div> <div>RFQ</div>  |  <div>ATSAMD20G14A-AUT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48TQFP</div> <div>In stock: 60363 pcs</div> <div>RFQ</div> |
|  <div>ATSAMD20G14A-MNT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48QFN</div> <div>In stock: 71573 pcs</div> <div>RFQ</div>    |  <div>ATSAMD20G14A-MU</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48QFN</div> <div>In stock: 42344 pcs</div> <div>RFQ</div>   |
|  <div>ATSAMD20G14A-AN</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48TQFP</div> <div>In stock: 62167 pcs</div> <div>RFQ</div>    |  <div>ATSAMD20G14A-MUT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48QFN</div> <div>In stock: 69336 pcs</div> <div>RFQ</div>  |
|  <div>ATSAMD20G14B-AUT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,</div> <div>In stock: 55587 pcs</div> <div>RFQ</div> |  <div>ATSAMD20G14A-ANT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48TQFP</div> <div>In stock: 41750 pcs</div> <div>RFQ</div> |
|  <div>ATSAMD20E18A-MUT</div> <div>Manufacturers: Microchip Technology</div> <div>Description: IC MCU 32BIT 256KB FLASH 32QFN</div> <div>In stock: 51919 pcs</div> <div>RFQ</div>            |  <div>ATSAMD20G14A-AU</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 16KB FLASH 48TQFP</div> <div>In stock: 57351 pcs</div> <div>RFQ</div>  |
|  <div>ATSAMD20G14B-AU</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: 48TQFP IND TEMP, GREEN,1.6-3.6V,</div> <div>In stock: 45085 pcs</div> <div>RFQ</div>  |  <div>ATSAMD20E18A-MUT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 32BIT 256KB FLASH 32QFN</div> <div>In stock: 51651 pcs</div> <div>RFQ</div> |