

ATSAMD21G17A-UUT



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Part Number: [ATSAMD21G17A-UUT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 128KB FLASH 45WLCSP

Data sheet:  [SAM D21E,G,J Summary](#)  
 [SAM D21E,G,J Complete](#)

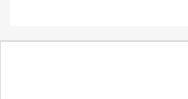
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                  |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAMD21G17A-UUT                                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 128KB FLASH 45WLCSP                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 46885 pcs                                                    | Data sheet                       | <a href="#">SAM D21E,G,J Summary</a><br><a href="#">SAM D21E,G,J Complete</a>             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                    | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45-WLCSP                                                     | Speed                            | 48MHz                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SAM D21G                                                     | RAM Size                         | 16K x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                        | Program Memory Size              | 128KB (128K x 8)                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 45-XFBGA, WLCSP                                              | Other Names                      | ATSAMD21G17A-UUT-ND<br>ATSAMD21G17A-UUTTR                                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                     | Operating Temperature            | -40°C ~ 85°C (TA)                                                                         |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 38                                                           | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                             |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 22 Weeks                                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                            | Detailed Description             | ARM® Cortex®-M0+ SAM D21G Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 45-WLCSP |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 14x12b, D/A 1x10b                                        | Core Size                        | 32-Bit                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M0+                                             | Connectivity                     | I <sup>2</sup> C, LINbus, SPI, UART/USART, USB                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ATSAMD21G17                                                  |                                  |                                                                                           |
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|  | Part#: <a href="#">ATSAMD21G16L-MUT</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-MF</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAMD21G18A-AF</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-MU</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-AU</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-MU</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-AFT</a><br>Description: IC MCU 32BIT 256KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-UUT</a><br>Description: IC MCU 32BIT 256KB FLASH 45WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-AFT</a><br>Description: IC MCU 32BIT 128KB FLASH 48TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G16L-MNT</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-MUT</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-MUT</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-MF</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G17A-MFT</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATSAMD21J15A-AU</a><br>Description: IC MCU 32BIT 32KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21G18A-MFT</a><br>Description: IC MCU 32BIT 256KB FLASH 48QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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