

ATSAMD21E15L-AFT



Part Number:

ATSAMD21E15L-AFT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 32KB FLASH 32TQFP

Data sheet:

 [SAM D21EL, GL Complete](#)

 [SAM D21EL, GL Summary](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

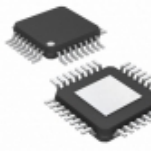
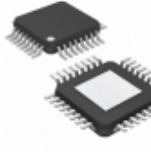
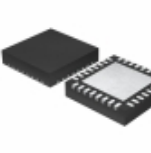
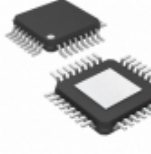
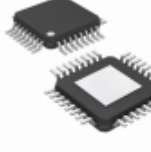
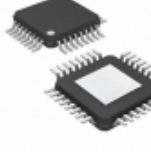
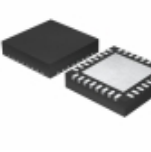
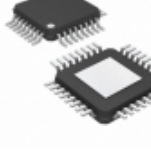
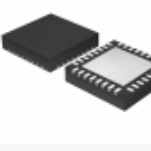
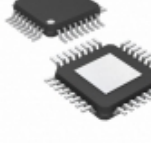
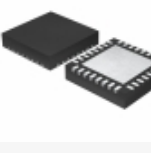
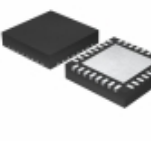
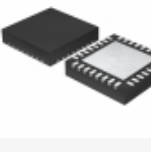
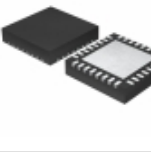
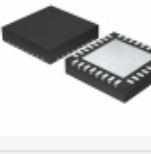
Shipment Way:

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                  |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ATSAMD21E15L-AFT                                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 32KB FLASH 32TQFP                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 66233 pcs                                                    | Data sheet                       | <a href="#">SAM D21EL, GL Complete</a><br><a href="#">SAM D21EL, GL Summary</a>              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                    | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-TQFP (7x7)                                                | Speed                            | 48MHz                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SAM D21E                                                     | RAM Size                         | 4K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                        | Program Memory Size              | 32KB (32K x 8)                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT | Packaging                        | Cut Tape (CT)                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-TQFP                                                      | Other Names                      | 1611-ATSAMD21E15L-AFTCT                                                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                     | Operating Temperature            | -40°C ~ 125°C (TA)                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 26                                                           | 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 D21E Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 32-TQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 10x12b, D/A 1x10b                                        | Core Size                        | 32-Bit                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M0+                                             | Connectivity                     | I <sup>2</sup> C, LINbus, SPI, UART/USART                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAMD21E16B-AFT</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15L-AF</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-AUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-UUT</a><br>Description: IC MCU 32BIT 32KB FLASH 35WLCSP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16B-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15L-MFT</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16B-AF</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16A-AUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16A-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16A-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN    | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-MFT</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15C-UUT</a><br>Description: 35WLCSP,85C TEMP, GREEN, 48MHZ, | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-AU</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15L-MNT</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-AFT</a><br>Description: IC MCU 32BIT 32KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-MUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E16A-MUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-MU</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15L-MF</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD21E15B-MF</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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|------------------------------------------------|---------------------------------------|------------------------------------------------------------|------------------------|
| Related keywords for <b>ATSAMD21E15L-AFT</b>   |                                       |                                                            |                        |
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