



Micrel / Microchip Technology

## ATSAML10E15A-AF

Part Number:	ATSAML10E15A-AF
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 32KB FLASH 32TQFP
Datasheets:	<a href="#">1.ATSAML10E15A-AF.pdf</a> <a href="#">2.ATSAML10E15A-AF.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATSAML10E15A-AF

PART NUMBER	ATSAML10E15A-AF
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 32KB FLASH 32TQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATSAML10E15A-AF.pdf</a> <a href="#">2.ATSAML10E15A-AF.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.63 V
SUPPLIER DEVICE PACKAGE	32-TQFP (7x7)
SPEED	32MHz
SERIES	SAM L10
RAM SIZE	8K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	32KB (32K x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	32-TQFP
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	25
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	24 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	2K x 8
DETAILED DESCRIPTION	ARM® Cortex®-M23 SAM L10 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 32-TQFP (7x7)
DATA CONVERTERS	A/D 10x12b, D/A 1x10b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M23
CONNECTIVITY	I <sup>2</sup> C, LINbus, SPI, UART/USART

### Related Tags

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### Related Products

<p><b>ATSAML10E15A-MF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E15A-MFT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAML10E14A-MFT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E15A-AUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAML10E14A-MF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E14A-UUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32WLCSP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>ATSAML10E15A-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E14A-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32VQFN                  In stock: 200 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAML10E15A-AFT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E15A-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 32KB FLASH 32VQFN                  In stock: 198 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAML10E14A-AUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>ATSAML10E14A-MUT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 16KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>