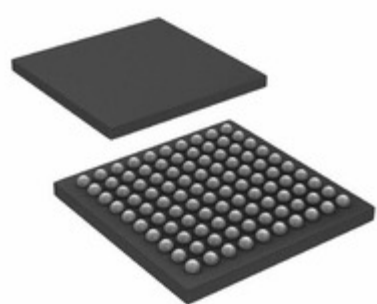


ATSAM4SA16CB-CFN





Part Number: [ATSAM4SA16CB-CFN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: FLASH,160K SRAM

Data sheet:  [SAM4S Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

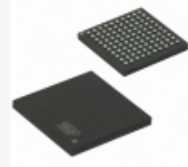
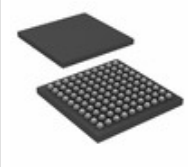
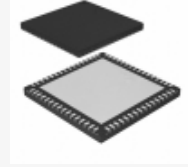
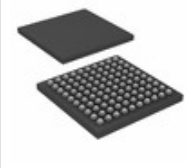
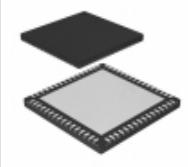
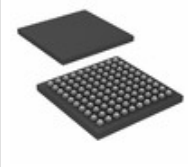
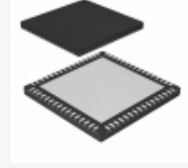
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                           |                                 |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | ATSAM4SA16CB-CFN                                                                          | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH,160K SRAM                                                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 14637 pcs                                                                                 | Data sheet                      | <a href="#">SAM4S Series Datasheet</a>        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                                 | Voltage - Supply (Vcc/Vdd)      | 1.62 V ~ 3.6 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 100-VFBGA (7x7)                                                                           | Speed                           | 120MHz                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | SAM4S                                                                                     | RAM Size                        | 160K x 8                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                     | Program Memory Size             | 1MB (1M x 8)                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                | Packaging                       | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-VFBGA                                                                                 | Oscillator Type                 | Internal                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 105°C (TA)                                                                        | Number of I/O                   | 79                                            |
| 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®-M4 SAM4S Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 100-VFBGA (7x7) | Data Converters                 | A/D 16x12b, D/A 2x12b                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                    | Core Processor                  | ARM® Cortex®-M4                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB                                |                                 |                                               |
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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">ATSAM4SA16CA-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CB-AN</a><br>Description: FLASH,160K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-CUR</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CB-ANR</a><br>Description: FLASH,160K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-ANR</a><br>Description: IC MCU 32BIT 1MB FLASH 64LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CB-CFNR</a><br>Description: FLASH,160K SRAM                 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BB-MN</a><br>Description: FLASH,160K SRAM                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-CFU</a><br>Description: IC MCU 32BIT 1MB FLASH 100VFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 64LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-AN</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 64LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-AU</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-AUR</a><br>Description: IC MCU 32BIT 1MB FLASH 100LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-MUR</a><br>Description: IC MCU 32BIT 1MB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-UUR</a><br>Description: FLASH,160K SRAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-CFUR</a><br>Description: IC MCU 32BIT 1MB FLASH 100VFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-MU</a><br>Description: IC MCU 32BIT 1MB FLASH 64QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SD16BA-AUR</a><br>Description: IC MCU 32BIT 1MB FLASH 64LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAM4SA16CA-CU</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                                |                                                |                                       |                                        |  |
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