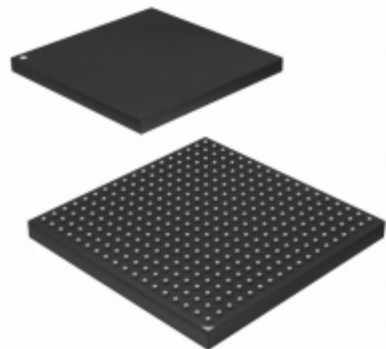


AT91SAM9G45B-CU-999





Part Number:

AT91SAM9G45B-CU-999

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 64KB ROM 324TFBGA

Data sheet:

 [SAM9G45 Summary](#)

 [SAM9G45 Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

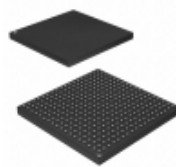
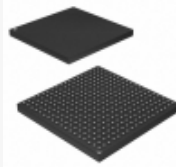
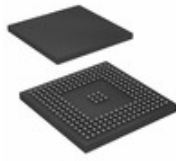
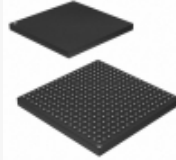
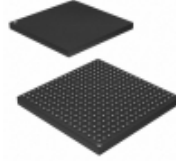
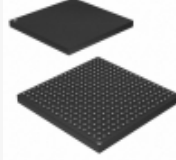
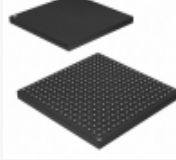
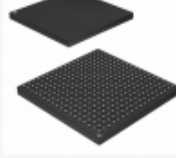
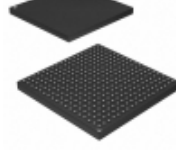
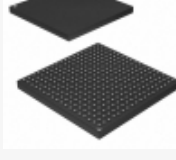
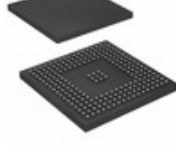
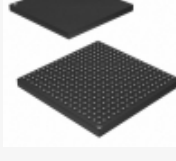
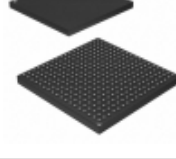
Shipment Way:

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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AT91SAM9G45B-CU-999                       | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 32BIT 64KB ROM 324TFBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4985 pcs                                  | Data sheet                     | <a href="#">SAM9G45 Summary</a><br><a href="#">SAM9G45 Datasheet</a>       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | 1.8V, 3.3V                                                                 |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | USB 2.0 (3)                               | Supplier Device Package        | 324-TFBGA (15x15)                                                          |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 400MHz                                    | Series                         | SAM9G                                                                      |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         | SATA                           | -                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LPDDR, LPDDR, DDR2, SDR, SRAM             | Packaging                      | Tape & Reel (TR)                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 324-TFBGA                                 | Other Names                    | AT91SAM9G45B-CU-999-ND<br>AT91SAM9G45B-CU-999TR                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                         | Number of Cores/Bus Width      | 1 Core, 32-Bit                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                 |
| Graphics Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                        | Ethernet                       | 10/100 Mbps                                                                |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LCD, Touchscreen                          | Detailed Description           | ARM926EJ-S Microprocessor IC SAM9G 1 Core, 32-Bit 400MHz 324-TFBGA (15x15) |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ARM926EJ-S                                | Co-Processors/DSP              | -                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AT91SAM9G                                 | Additional Interfaces          | AC97, EBI/EMI, I <sup>2</sup> C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART    |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT91SAM9G45-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G46-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10-EKES</a><br>Description: KIT EVAL FOR AT91SAM9M10          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10-G45-EK</a><br>Description: KIT EVAL FOR AT91SAMG45/9M10    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G25-CU</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G46B-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G45C-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G45C-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G45-EKES</a><br>Description: KIT EVAL FOR AT91SAM9G45          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10C-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G35-EK</a><br>Description: KIT EVAL FOR AT91SAM9G35            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G45-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G25-EK</a><br>Description: KIT EVAL FOR AT91SAM9G25            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G25-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10B-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G35-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9M10C-CU-999</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G45B-CU</a><br>Description: IC MCU 32BIT 64KB ROM 324TFBGA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT91SAM9G35-CU</a><br>Description: IC MCU 32BIT 64KB ROM 217BGA        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for AT91SAM9G45B-CU-999

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