



Image may be representation.
See specifications for product details.



ATSAMA5D27-SOM1

| | |
|--------------------------|---|
| Manufacturer Part Number | ATSAMA5D27-SOM1 |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-ATSAMA5D27-SOM1 |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MOD CORTEX-A5 500MHZ 1GB 64MB |
| Package | |
| Data sheet | SAMA5D2 Series.pdf SAMA5D27 SOM1.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

ATSAMA5D27-SOM1 - Microchip Technology. New Original in Stock. Download Linear Technology ATSAMA5D27-SOM1 datasheet/specifications on AllelcoElec.com. Request a quote for ATSAMA5D27-SOM1, please send us email: info@allelco.com

Specifications

ATSAMA5D27-SOM1 Tech Specifications
ATSAMA5D27-SOM1 - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-----------------------|---|---------------------|------------------------|
| Manufacturer | Microchip Technology | Module/Board Type | MPU Core |
| Speed | 500MHz | Flash Size | 64Mb Flash, 1Kb EEPROM |
| Size / Dimension | 1.180" L x 1.570" W (30.00mm x 40.00mm) | Core Processor | ARM® Cortex®-A5 |
| Series | - | Connector Type | Edge Connector |
| RAM Size | 1Gb (128M x 8) | Co-Processor | - |
| Package | Tray | Base Product Number | ATSAMA5 |
| Operating Temperature | -40°C ~ 85°C (TA) | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMA5D27-SOM1

| Product Attribute | | | | |
|-----------------------|---|--------------------------------|------------------------------------|---------------------------------|
| Part Number | ATSAMA5D27-SOM1 | ATSAMA5D22C-CU | ATSAMA5D27C-D1G-CU | ATSAMA5D27C-CNR |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Co-Processor | - | - | - | - |
| Package | Tray | Tray | Tray | Tape & Reel (TR) |
| Core Processor | ARM® Cortex®-A5 | ARM® Cortex®-A5 | ARM® Cortex®-A5 | ARM® Cortex®-A5 |
| Module/Board Type | MPU Core | - | - | - |
| Flash Size | 64Mb Flash, 1Kb EEPROM | - | - | - |
| Series | - | SAMA5D2 | SAMA5D2 | SAMA5D2 |
| RAM Size | 1Gb (128M x 8) | - | - | - |
| Speed | 500MHz | 500MHz | 500MHz | 500MHz |
| Size / Dimension | 1.180" L x 1.570" W (30.00mm x 40.00mm) | - | - | - |
| Connector Type | Edge Connector | - | - | - |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 105°C (TA) |
| Base Product Number | ATSAMA5 | ATSAMA5 | ATSAMA5 | ATSAMA5 |

ATSAMA5D27-SOM1 Datasheet PDF

Download ATSAMA5D27-SOM1 pdf datasheets and Microchip Technology documentation for ATSAMA5D27-SOM1 - Microchip Technology.

Datasheets

[SAMA5D2 Series.pdf](#)

[SAMA5D27 SOM1.pdf](#)

PCN Assembly/Origin

[Mold Compound 08/Jul/2022.pdf](#)

PCN Design/Specification

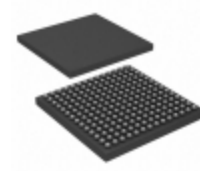
[New Chip 15/Feb/2022.pdf](#)

[SAMA5D27 03/Jun/2020.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|---|--|---|--|---|--|
| | | | | | |
| ATSAMA5D22C-CU | ATSAMA5D27C-D1G-CU | ATSAMA5D27C-CNR | ATSAMA5D27C-LD2G-CU | ATSAMA5D24C-CUR | ATSAMA5D225C-D1M-CU |
| Microchip Technology IC MCU 32BIT EXT MEM 196TFBGA | Microchip Technology BGA GREEN, IND TEMP,MRLC,1GBIT D | Microchip Technology IC MCU 32BIT EXT MEM 289LFBGA | Microchip Technology CORTEX-A5 MPU 2GBIT LPDDR2 BGA I | Microchip Technology IC MCU 32BIT EXT MEM 256TFBGA | Microchip Technology BGA GREEN, IND TEMP,MRLC,128MBIT |



ATSAMA5D27B-CU

Microchip Technology
IC MCU 32BIT EXT MEM 289LFBGA

ATSAMA5D26

Atmel (Microchip Technology)

ATSAMA5D27C-D5M-CU

Microchip Technology
BGA GREEN, IND TEMP,MRLC,512MBIT

ATSAMA5D22B-CUR

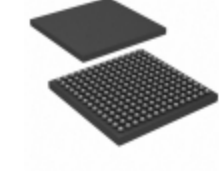
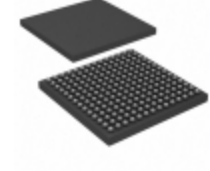
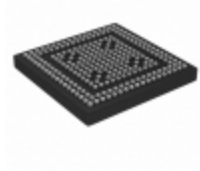
Microchip Technology
IC MCU 32BIT EXT MEM 196TFBGA

ATSAMA5D26C-CNR

Microchip Technology
IC MCU 32BIT EXT MEM 289LFBGA

ATSAMA5D27C-CU

Microchip Technology
IC MCU 32BIT EXT MEM 289LFBGA



ATSAMA5D27C-D1G-CUR

Microchip Technology
BGA GREEN, IND TEMP,MRLC,1GBIT

ATSAMA5D24B-CU

Microchip Technology
IC MCU 32BIT EXT MEM 256TFBGA

ATSAMA5D21C-CU

Microchip Technology
IC MCU 32BIT EXT MEM 196TFBGA

ATSAMA5D26C-CU

Microchip Technology
IC MCU 32BIT EXT MEM 289LFBGA

ATSAMA5D22B-CU

Microchip Technology
IC MCU 32BIT EXT MEM 196TFBGA

ATSAMA5D27C-CNRVAO

Microchip Technology
BGA GREEN, AUTO GRADE 2 ,MRLC

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference | | |
|--|----------------|--------------------|
| Region | Country | Logistic Time(Day) |
| America | United States | 5 |
| | Brazil | 7 |
| Europe | Germany | 5 |
| | United Kingdom | 4 |
| | Italy | 5 |
| Oceania | Australia | 6 |
| | New Zealand | 7 |
| Asia | India | 6 |
| | Japan | 7 |
| Middle East | Israel | 6 |

| DHL & FedEx Shipment Charges Reference | |
|--|----------------------|
| Shipment charges(KG) | Reference DHL(USD\$) |
| 0.00kg-1.00kg | USD\$60.00 |
| 1.00kg-2.00kg | USD\$70.00 |
| 2.00kg-3.00kg | USD\$80.00 |

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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Contact us

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