



Image may be representation.
See specifications for product details.



STM8S105C4T3

| | |
|--------------------------|---------------------------------|
| Manufacturer Part Number | STM8S105C4T3 |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STM8S105C4T3 |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MCU 8BIT 16KB FLASH 48LQFP |
| Package | 48-LQFP |
| Data sheet | STM8S105x(4, 6).pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STM8S105C4T3 - STMicroelectronics.New Original in Stock. Download Linear Technology STM8S105C4T3 datasheet/specifications on AllelcoElec.com.
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Specifications

STM8S105C4T3 Tech Specifications

STM8S105C4T3 - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---------------------------------------|-----------------------|---|
| Manufacturer | STMicroelectronics | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 2.95V ~ 5.5V | Operating Temperature | -40°C ~ 125°C (TA) |
| Supplier Device Package | 48-LQFP (7x7) | Number of I/O | 38 |
| Speed | 16MHz | Mounting Type | Surface Mount |
| Series | STM8S | EEPROM Size | 1K x 8 |
| RAM Size | 2K x 8 | Data Converters | A/D 10x10b |
| Program Memory Type | FLASH | Core Size | 8-Bit |
| Program Memory Size | 16KB (16K x 8) | Core Processor | STM8 |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity | I ² C, IrDA, LINbus, SPI, UART/USART |
| Package / Case | 48-LQFP | Base Product Number | STM8 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8S105C4T3

| Product Attribute | | | | |
|----------------------------|---|---|---|---|
| Part Number | STM8S105C4T3 | STM8S105C6T6 | STM8S103K3T3C | STM8S103F3U6TR |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| Data Converters | A/D 10x10b | A/D 10x10b | A/D 4x10b | A/D 5x10b |
| RAM Size | 2K x 8 | 2K x 8 | 1K x 8 | 1K x 8 |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Series | STM8S | STM8S | STM8S | STM8S |
| Base Product Number | STM8 | STM8 | STM8 | STM8 |
| Speed | 16MHz | 16MHz | 16MHz | 16MHz |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Number of I/O | 38 | 38 | 28 | 16 |
| Supplier Device Package | 48-LQFP (7x7) | - | 32-LQFP (7x7) | - |
| Program Memory Size | 16KB (16K x 8) | 32KB (32K x 8) | 8KB (8K x 8) | 8KB (8K x 8) |
| EEPROM Size | 1K x 8 | 1K x 8 | 640 x 8 | 640 x 8 |
| Package / Case | 48-LQFP | 48-LQFP | 32-LQFP | 20-UFQFN |
| Operating Temperature | -40°C ~ 125°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 125°C (TA) | -40°C ~ 85°C (TA) |
| Voltage - Supply (Vcc/Vdd) | 2.95V ~ 5.5V | 2.95V ~ 5.5V | 2.95V ~ 5.5V | 2.95V ~ 5.5V |
| Core Processor | STM8 | STM8 | STM8 | STM8 |
| Connectivity | I ² C, IrDA, LINbus, SPI, UART/USART | I ² C, IrDA, LINbus, SPI, UART/USART | I ² C, IrDA, LINbus, SPI, UART/USART | I ² C, IrDA, LINbus, SPI, UART/USART |
| Package | Tray | Tray | Tray | Tape & Reel (TR) |

STM8S105C4T3 Datasheet PDF

Download STM8S105C4T3 pdf datasheets and STMicroelectronics documentation for STM8S105C4T3 - STMicroelectronics.


PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf


Box Label Chg 28/Jul/2016.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf















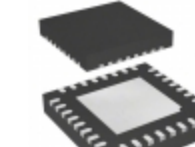
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HTML Datasheet

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|  STM8S103F3U6TR STMicroelectronics IC MCU 8BIT 8KB FLASH 20UFQFN |  STM8S103K3T3CTR STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP |  STM8S103K3T6C STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP |  STM8S105C6T6TR STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP |  STM8S103K3T6 STMicroelectronics |  STM8S105K4B6 STMicroelectronics IC MCU 8BIT 16KB FLASH 32SDIP |
|  STM8S105C4T6TR STMicroelectronics IC MCU 8BIT 16KB FLASH 48LQFP |  STM8S103K3T6CTR STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP |  STM8S105C6T3 STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP |  STM8S105C6T6,8 STMicroelectronics |  STM8S105C4T6 STMicroelectronics IC MCU 8BIT 16KB FLASH 48LQFP |  STM8S103K3U6TR STMicroelectronics IC MCU 8BIT 8KB FLASH 32UFQFPN |

Shipment

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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

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 - > 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.

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