



Image may be representation.
See specifications for product details.



STM8S105C4T6

Manufacturer Part Number	STM8S105C4T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8S105C4T6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM8S105x(4, 6).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM8S105C4T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM8S105C4T6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM8S105C4T6, please send us email: info@allelco.com

Specifications

STM8S105C4T6 Tech Specifications

STM8S105C4T6 - 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 ~ 85°C (TA)
Speed	16MHz	Number of I/O	38
Series	STM8S	Mounting Type	Surface Mount
RAM Size	2K x 8	EEPROM Size	1K x 8
Program Memory Type	FLASH	Data Converters	A/D 10x10b
Program Memory Size	16KB (16K x 8)	Core Size	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Core Processor	STM8
Package / Case	48-LQFP	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART
Package	Tray	Base Product Number	STM8

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8S105C4T6

Product Attribute				
Part Number	STM8S105C4T6	STM8S105C4T3	STM8S105C6T3	STM8S105C4T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tray	Tray	Tray	Tape & Reel (TR)
Package / Case	48-LQFP	48-LQFP	48-LQFP	48-LQFP
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
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
Base Product Number	STM8	STM8	STM8	STM8
Data Converters	A/D 10x10b	A/D 10x10b	A/D 10x10b	A/D 10x10b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM8S	STM8S	STM8S	STM8S
Number of I/O	38	38	38	38
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	32KB (32K x 8)	16KB (16K x 8)
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
EEPROM Size	1K x 8	1K 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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	16MHz	16MHz	16MHz	16MHz

STM8S105C4T6 Datasheet PDF

Download STM8S105C4T6 pdf datasheets and STMicroelectronics documentation for STM8S105C4T6 - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

[Box Label Chg 28/Jul/2016.pdf](#)

PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)






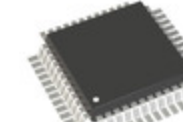







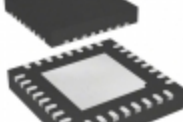




[LQFP 48 7x7 Products Increased Capacity 21/Dec/201.pdf](#)

PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

 STM8S105C6T6,8 STMicroelectronics	 STM8S105C4T3 STMicroelectronics IC MCU 8BIT 16KB FLASH 48LQFP	 STM8S105C6T3 STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP	 STM8S105C4T6TR STMicroelectronics IC MCU 8BIT 16KB FLASH 48LQFP	 STM8S103K3T6C/TR STMicroelectronics	 STM8S103K3T6CTR STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP
 STM8S103K3T6C STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP	 STM8S105C4T6,8 STMicroelectronics	 STM8S105C6T6TR STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP	 STM8S105K4B6 STMicroelectronics IC MCU 8BIT 16KB FLASH 32SDIP	 STM8S103K3T6 STMicroelectronics	 STM8S105K4T3C STMicroelectronics IC MCU 8BIT 16KB FLASH 32LQFP
 STM8S103K3T3C STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP	 STM8S103K3U6TR STMicroelectronics IC MCU 8BIT 8KB FLASH 32UFQFPN	 STM8S105C6T6 STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP	 STM8S105C4T3,8 STMicroelectronics	 STM8S103K3T3CTR STMicroelectronics IC MCU 8BIT 8KB FLASH 32LQFP	 STM8S103K3T6C,8 STMicroelectronics

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



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com