STM8S105S6T6C

Manufacturer Part Number	**STM8S105S6T6C**
Manufacturer	**STMicroelectronics**
Allelco Part Number	32D-STM8S105S6T6C
ECAD Model	▶ 3D PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 44LQFP
Package	44-LQFP
Data sheet	STM8S105x(4, 6).pdf
RoHs Status	RoHS ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM8S105S6T6C - STMicroelectronics.New Original in Stock. Download Linear Technology STM8S105S6T6C datasheet/specifications on AllelcoElec.com.
Request a quote for STM8S105S6T6C, please send us email: info@allelco.com

Specifications

STM8S105S6T6C Tech Specifications
STM8S105S6T6C - 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	34
Series	STM8S	Mounting Type	Surface Mount
RAM Size	2K x 8	EEPROM Size	1K x 8
Program Memory Type	FLASH	Data Converters	A/D 9x10b
Program Memory Size	32KB (32K x 8)	Core Size	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Core Processor	STM8
Package / Case	44-LQFP	Connectivity	I²C, 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 STM8S105S6T6C

Product Attribute				
Part Number	STM8S105S6T6C	STM8S105S4T6C	STM8S105S4T6CTR	STM8S105K6T6CTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Number of I/O	34	34	34	25
Package	Tray	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	STM8S	STM8S	STM8S	STM8S
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Core Processor	STM8	STM8	STM8	STM8
Base Product Number	STM8	STM8	STM8	STM8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Package / Case	44-LQFP	44-LQFP	44-LQFP	32-LQFP
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Size	32KB (32K x 8)	16KB (16K x 8)	16KB (16K x 8)	32KB (32K x 8)
Data Converters	A/D 9x10b	A/D 9x10b	A/D 9x10b	A/D 7x10b
Speed	16MHz	16MHz	16MHz	16MHz

STM8S105S6T6C Datasheet PDF

Download STM8S105S6T6C pdf datasheets and STMicroelectronics documentation for STM8S105S6T6C - STMicroelectronics.

PCN Packaging

📄 Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

📄 STM8/STM32 10/Mar/2020.pdf

HTML Datasheet

📄 STM8S105x(4, 6).pdf

▣ Customers Also Interested in

Recommended Products

STM8S207C8T3,8	STM8S105K6U6A,8	STM8S105S6T6C,8	STM8S105S8T6C	STM8S105S4T6C	STM8S105S4T6CTR
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
				IC MCU 8BIT 16KB FLASH 44LQFP	IC MCU 8BIT 16KB FLASH 44LQFP

STM8S105K6T6CTR	STM8S207C6T6TR	STM8S105S6T6	STM8S207C6T6,8	STM8S207C8T3	STM8S105K6U6
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 32KB FLASH 32LQFP	IC MCU 8BIT 32KB FLASH 48LQFP			IC MCU 8BIT 64KB FLASH 48LQFP	IC MCU 8BIT 32KB FLASH 32VFQFPN

STM8S105S6T6CTR	STM8S105S6T3C	STM8S205K6T6C	STM8S105K6U6A	STM8S105K6T6C,8	STM8S207C6T6
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 32KB FLASH 44LQFP	IC MCU 8BIT 32KB FLASH 44LQFP		IC MCU 8BIT 32KB FLASH 32UFQFPN		IC MCU 8BIT 32KB FLASH 48LQFP

▣ 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.

EAST WEST BANK | MasterCard | VISA
WESTERN UNION | 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

ISO MEDICAL DEVICES 13485:2016 | ISO 9001:2015 CERTIFIED COMPANY | ISO 14001:2015 CERTIFIED COMPANY

ISO 28000:2007 | IPC Member | SMTA Surface Mount Technology Association

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