



Image may be representation.  
See specifications for product details.



## STM8S208CBT6

Manufacturer Part Number	<b>STM8S208CBT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM8S208CBT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	<b>STM8S207xx, 208xx Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM8S208CBT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM8S208CBT6 datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM8S208CBT6 Tech Specifications  
STM8S208CBT6 - 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	24MHz	Number of I/O	38
Series	STM8S	Mounting Type	Surface Mount
RAM Size	6K x 8	EEPROM Size	2K x 8
Program Memory Type	FLASH	Data Converters	A/D 10x10b
Program Memory Size	128KB (128K x 8)	Core Size	8-Bit
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Core Processor	STM8
Package / Case	48-LQFP	Connectivity	CANbus, I <sup>2</sup> 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 STM8S208CBT6

Product Attribute				
Part Number	STM8S208CBT6	STM8S208CBT6	STM8S903F3M6	STM8S207S8T3C
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	2K x 8	2K x 8	640 x 8	1.5K x 8
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Core Processor	STM8	STM8	STM8	STM8
Voltage - Supply (Vcc/Vdd)	2.95V ~ 5.5V	2.95V ~ 5.5V	2.95V ~ 5.5V	2.95V ~ 5.5V
Series	STM8S	STM8S	STM8S	STM8S
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	24MHz	24MHz	16MHz	24MHz
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
Data Converters	A/D 10x10b	A/D 10x10b	A/D 5x10b	A/D 9x10b
Base Product Number	STM8	STM8	STM8	STM8
Program Memory Size	128KB (128K x 8)	64KB (64K x 8)	8KB (8K x 8)	64KB (64K x 8)
Package	Tray	Tray	Tube	Tray
Number of I/O	38	38	16	34
Package / Case	48-LQFP	48-LQFP	20-SOIC (0.295", 7.50mm Width)	44-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	6K x 8	6K x 8	1K x 8	6K x 8

### STM8S208CBT6 Datasheet PDF

Download STM8S208CBT6 pdf datasheets and STMicroelectronics documentation for STM8S208CBT6 - STMicroelectronics.

#### PCN Packaging

- Material Barrier Bag 17/Dec/2020.pdf
- Box Label Chg 28/Jul/2016.pdf

#### PCN Design/Specification















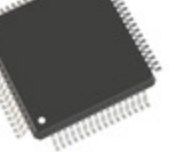

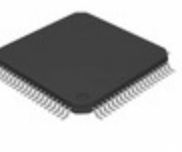

- Mult Dev 03/Nov/2022.pdf
- LQFP 48 7x7 Products Increased Capacity 21/Dec/201.pdf

#### PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

 <b>STM8S208C8T6</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 48LQFP	 <b>STM8S903F3M6</b> STMicroelectronics IC MCU 8BIT 8KB FLASH 20SOIC	 <b>STM8S207S8T3C</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 44LQFP	 <b>STM8S207S8T6C</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 44LQFP	 <b>STM8S903F3M3TR</b> STMicroelectronics IC MCU 8BIT 8KB FLASH 20SO	 <b>STM8S208RBT6</b> STMicroelectronics IC MCU 8BIT 128KB FLASH 64LQFP
 <b>STM8S208C8T6TR</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 48LQFP	 <b>STM8S207SBT6C</b> STMicroelectronics IC MCU 8BIT 128KB FLASH 44LQFP	 <b>STM8S208S6T6C</b> STMicroelectronics IC MCU 8BIT 32KB FLASH 44LQFP	 <b>STM8S207S6T6CTR</b> STMicroelectronics IC MCU 8BIT 32KB FLASH 44LQFP	 <b>STM8S208R8T6</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 64LQFP	 <b>STM8S208C6T6</b> STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP
 <b>STM8S208MBT6B,8</b> STMicroelectronics	 <b>STM8S207S8T6CTR</b> STMicroelectronics IC MCU 8BIT 64KB FLASH 44LQFP	 <b>STM8S208RBT3</b> STMicroelectronics IC MCU 8BIT 128KB FLASH 64LQFP	 <b>STM8S207S8T6</b> STMicroelectronics	 <b>STM8S208MBT6B</b> STMicroelectronics IC MCU 8BIT 128KB FLASH 80LQFP	 <b>STM8S207S6T6C</b> STMicroelectronics IC MCU 8BIT 32KB FLASH 44LQFP

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.



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Contact us if you have any questions.

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Certifications & Memberships



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