



Image may be representation.  
See specifications for product details.



## STM8S103F2P6

Manufacturer Part Number	<b>STM8S103F2P6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM8S103F2P6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 4KB FLASH 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>STM8S103F3, STM8S103K3 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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STM8S103F2P6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM8S103F2P6 datasheet/specifications on AllelcoElec.com.  
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## Specifications

STM8S103F2P6 Tech Specifications

STM8S103F2P6 - 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)
Supplier Device Package	20-TSSOP	Number of I/O	16
Speed	16MHz	Mounting Type	Surface Mount
Series	STM8S	EEPROM Size	640 x 8
RAM Size	1K x 8	Data Converters	A/D 5x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	4KB (4K x 8)	Core Processor	STM8
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	STM8
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8S103F2P6

Product Attribute				
Part Number	STM8S103F2P6	STM8S103F3P3	STM8S007C8T6	STM8S103F3M3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Supplier Device Package	20-TSSOP	20-TSSOP	-	20-SO
Program Memory Size	4KB (4K x 8)	8KB (8K x 8)	64KB (64K x 8)	8KB (8K x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM8	STM8	STM8	STM8
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
Connectivity	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	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	1K x 8	1K x 8	6K x 8	1K x 8
Package / Case	20-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173", 4.40mm Width)	48-LQFP	20-SOIC (0.295", 7.50mm Width)
Core Processor	STM8	STM8	STM8	STM8
EEPROM Size	640 x 8	640 x 8	128 x 8	640 x 8
Data Converters	A/D 5x10b	A/D 5x10b	A/D 16x10b	A/D 5x10b
Number of I/O	16	16	38	16
Speed	16MHz	16MHz	24MHz	16MHz
Package	Tube	Tube	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH

## STM8S103F2P6 Datasheet PDF

Download STM8S103F2P6 pdf datasheets and STMicroelectronics documentation for STM8S103F2P6 - STMicroelectronics.

### PCN Packaging

Moisture Barrier Bag 09/May/2016.pdf

### PCN Assembly/Origin

Multi Dev 28/Sep/2022.pdf



STM8S103F3, STM8S103K3 Datasheet.pdf

## Customers Also Interested in

### Recommended Products

**STM8S103F3P3**STMicroelectronics  
IC MCU 8BIT 8KB FLASH 20TSSOP**STM8S007C8T6**STMicroelectronics  
IC MCU 8BIT 64KB FLASH 48LQFP**STM8S005K6T6TR**

STMicroelectronics

**STM8S005K6T6**

STMicroelectronics

**STM8S103F2U6TR,8**

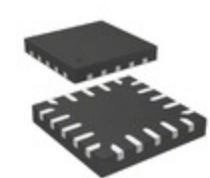
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**STM8S103F3M3**STMicroelectronics  
IC MCU 8BIT 8KB FLASH 20SOIC**STM8S007C8T6TR**STMicroelectronics  
IC MCU 8BIT 64KB FLASH 48LQFP**STM8S103F3M6TR**STMicroelectronics  
IC MCU 8BIT 8KB FLASH 20SOIC**STM8S103F2P6TR**STMicroelectronics  
IC MCU 8BIT 4KB FLASH 20TSSOP**STM8S103F2P3TR**STMicroelectronics  
IC MCU 8BIT 4KB FLASH 20TSSOP**STM8S103F3P3TR**STMicroelectronics  
IC MCU 8BIT 8KB FLASH 20TSSOP**STM8S005K6T6,8**

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**STM8S005K6T6C**STMicroelectronics  
IC MCU 8BIT 32KB FLASH 32LQFP**STM8S103F3M6**STMicroelectronics  
IC MCU 8BIT 8KB FLASH 20SOIC**STM8S005K6T6CTR**STMicroelectronics  
IC MCU 8BIT 32KB FLASH 32LQFP**STM8S005K6T6C,8**

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**STM8S103F2M6**STMicroelectronics  
IC MCU 8BIT 4KB FLASH 20SO**STM8S103F2U6TR**STMicroelectronics  
IC MCU 8BIT 4KB FLASH 20UFQFN

## 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.



Phone

+00852 9146 4856



Email

info@allelco.com

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### 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