



Image may be representation.  
See specifications for product details.



## STM8AF6246TCSSSX

Manufacturer Part Number	<a href="#">STM8AF6246TCSSSX</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STM8AF6246TCSSSX
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 32LQFP
Package	32-LQFP
Data sheet	<a href="#">STM8AF62x6, 62x8.pdf</a>
RoHs Status	ROHS3 Compliant

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## Specifications

STM8AF6246TCSSSX Tech Specifications  
STM8AF6246TCSSSX - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	25
Speed	16MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, STM8A	EEPROM Size	512 x 8
RAM Size	2K x 8	Data Converters	A/D 7x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	STM8A
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART
Package / Case	32-LQFP	Base Product Number	STM8
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8AF6246TCSSSX

Product Attribute				
Part Number	STM8AF6246TCSSSX	<a href="#">STM8AF6226TCY</a>	<a href="#">STM8AF6246TCSSSY</a>	<a href="#">STM8AF6246UDY</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Series	Automotive, AEC-Q100, STM8A	Automotive, AEC-Q100, STM8A	Automotive, AEC-Q100, STM8A	Automotive, AEC-Q100, STM8A
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	16KB (16K x 8)	8KB (8K x 8)	16KB (16K x 8)	16KB (16K x 8)
Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Core Processor	STM8A	STM8A	STM8A	STM8A
Package / Case	32-LQFP	32-LQFP	32-LQFP	32-VFQFN Exposed Pad
Supplier Device Package	32-LQFP (7x7)	32-LQFP (7x7)	-	32-VFQFPN (5x5)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 150°C (TA)
RAM Size	2K x 8	1K x 8	2K x 8	2K x 8
Number of I/O	25	28	25	25
Speed	16MHz	16MHz	16MHz	16MHz
Base Product Number	STM8	STM8	STM8	STM8
Data Converters	A/D 7x10b	A/D 7x10b SAR	A/D 7x10b	A/D 7x10b
EEPROM Size	512 x 8	640 x 8	512 x 8	512 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

## STM8AF6246TCSSSX Datasheet PDF

Download STM8AF6246TCSSSX pdf datasheets and STMicroelectronics documentation for STM8AF6246TCSSSX - STMicroelectronics.

### PCN Packaging

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

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

### HTML Datasheet

[STM8AF62x6, 62x8.pdf](#)

## PCN Design/Specification

 Cylindrical Battery Holders.pdf

## PCN Assembly/Origin

 STM8A Testing Chgs 13/Dec/2021.pdf

## Customers Also Interested in

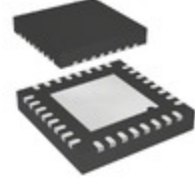
### Recommended Products



**STM8AF6226TCY**  
STMicroelectronics  
IC MCU 8BIT 8KB FLASH 32LQFP



**STM8AF6246TCSSSY**  
STMicroelectronics  
IC MCU 8BIT 16KB FLASH 32LQFP



**STM8AF6246UDY**  
STMicroelectronics  
IC MCU 8BIT 16KB FLASH 32VFQFPN



**STM8AF6246TCSSS**  
STMicroelectronics



**STM8AF6248TA/C**  
STMicroelectronics



**STM8AF6226TC**  
STMicroelectronics



**STM8AF6246TC**  
STMicroelectronics



**STM8AF6246TDSSS**  
STMicroelectronics



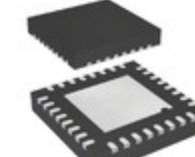
**STM8AF6246UC**  
STMicroelectronics



**STM8AF6226TCSSSY**  
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IC MCU 8BIT 8KB FLASH 32LQFP



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IC MCU 8BIT 8KB FLASH 32LQFP



**STM8AF6246UCY**  
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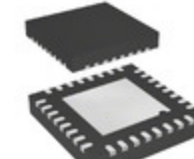
**STM8AF6248TA**  
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**STM8AF6246TDSSSX**  
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IC MCU 8BIT 16KB FLASH 32LQFP



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**STM8AF6226TCSSS**  
STMicroelectronics



**STM8AF6246TDSSSY**  
STMicroelectronics  
IC MCU 8BIT 16KB FLASH 32LQFP

## 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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