



Image may be representation.  
See specifications for product details.



## STM32F205RCT7

Manufacturer Part Number	<a href="#">STM32F205RCT7</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STM32F205RCT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	<a href="#">STM32F205xx, STM32F207xx.pdf</a>
RoHs Status	ROHS3 Compliant

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STM32F205RCT7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F205RCT7 datasheet/specifications on AllelcoElec.com.  
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## Specifications

STM32F205RCT7 Tech Specifications

STM32F205RCT7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	51
Speed	120MHz	Mounting Type	Surface Mount
Series	STM32F2	EEPROM Size	-
RAM Size	100K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Package / Case	64-LQFP	Base Product Number	STM32F205
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F205RCT7

Product Attribute				
Part Number	STM32F205RCT7	<a href="#">STM32F107VCT7</a>	<a href="#">STM32F205REY6TR</a>	<a href="#">STM32F205RBT7</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tray	Tape & Reel (TR)	Tray
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	64-WLCSP	64-LQFP (10x10)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Base Product Number	STM32F205	STM32F107	STM32F205	STM32F205
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)	128KB (128K x 8)
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	DMA, POR, PWM, Voltage Detect, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Speed	120MHz	72MHz	120MHz	120MHz
Package / Case	64-LQFP	100-LQFP	64-UFBGA, WLCSP	64-LQFP
Number of I/O	51	80	51	51
RAM Size	100K x 8	64K x 8	132K x 8	68K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	2V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Series	STM32F2	STM32F1	STM32F2	STM32F2

## STM32F205RCT7 Datasheet PDF

Download STM32F205RCT7 pdf datasheets and STMicroelectronics documentation for STM32F205RCT7 - STMicroelectronics.

### Datasheets

STM32F205xx, STM32F207xx.pdf

### PCN Packaging

2.73KHz.pdf

### PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32F2yyy 16/Jul/2021.pdf

### PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

## Customers Also Interested in

### Recommended Products



#### STM32F107VCT7

STMicroelectronics  
IC MCU 32BIT 256KB FLASH  
100LQFP



#### STM32F152CCT6

STMicroelectronics



#### STM32F205REY6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
64WLCS



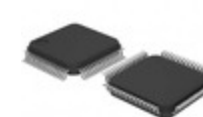
#### STM32F205RBT7

STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP



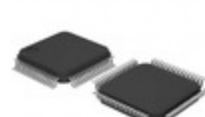
#### STM32F205RBT6

STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP



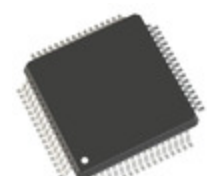
#### STM32F205RGT6TR

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



#### STM32F205RFT6TR

STMicroelectronics  
IC MCU 32BIT 768KB FLASH 64LQFP



#### STM32F205RET7

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



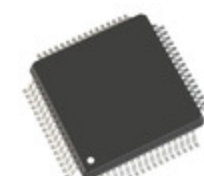
#### STM32F151RBH6

STMicroelectronics



#### STM32F107VCT6

STMicroelectronics  
IC MCU 32BIT 256KB FLASH  
100LQFP



#### STM32F205RET6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32F152RBT6

STMicroelectronics



#### STM32F205RGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



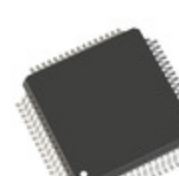
#### STM32F205RCT6

STMicroelectronics  
IC MCU 32BIT 256KB FLASH 64LQFP



#### STM32F205RET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32F205RCT6TR

STMicroelectronics  
IC MCU 32BIT 256KB FLASH 64LQFP



#### STM32F107VCT6TR

STMicroelectronics  
IC MCU 32BIT 256KB FLASH  
100LQFP



#### STM32F205RFT6

STMicroelectronics  
IC MCU 32BIT 768KB FLASH 64LQFP

## 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

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### Certifications & Memberships



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