



Image may be representation.
See specifications for product details.



STM32F205VCT7

Manufacturer Part Number	STM32F205VCT7
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F205VCT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32 F2 Series Brochure.pdf STM32F205,207xx Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F205VCT7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F205VCT7 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F205VCT7, please send us email: info@allelco.com

Specifications

STM32F205VCT7 Tech Specifications

STM32F205VCT7 - 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	100-LQFP (14x14)	Number of I/O	82
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 ² S, LCD, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Package / Case	100-LQFP	Base Product Number	STM32F205
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F205VCT7

Product Attribute				
Part Number	STM32F205VCT7	STM32F205VGT6	STM32F205RFT6TR	STM32F205VCT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-LQFP	100-LQFP	64-LQFP	100-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tape & Reel (TR)	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Speed	120MHz	120MHz	120MHz	120MHz
EEPROM Size	-	-	-	-
Base Product Number	STM32F205	STM32F205	STM32F205	STM32F205
Series	STM32F2	STM32F2	STM32F2	STM32F2
Connectivity	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	64-LQFP (10x10)	100-LQFP (14x14)
RAM Size	100K x 8	132K x 8	132K x 8	100K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Number of I/O	82	82	51	82
Program Memory Size	256KB (256K x 8)	1MB (1M x 8)	768KB (768K x 8)	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

STM32F205VCT7 Datasheet PDF

Download STM32F205VCT7 pdf datasheets and STMicroelectronics documentation for STM32F205VCT7 - STMicroelectronics.

Datasheets

STM32F205,207xx Datasheet.pdf

PCN Packaging

2.73KHz.pdf

PCN Assembly/Origin

2.73KHz.pdf

PCN Design/Specification

Mult Dev 03/Nov/2022.pdf

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32F2yyy 16/Jul/2021.pdf

HTML Datasheet

STM32 F2 Series Brochure.pdf

Customers Also Interested in

Recommended Products



STM32F205VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32F205RFT6TR

STMicroelectronics
IC MCU 32BIT 768KB FLASH 64LQFP



STM32F205VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 100LQFP



STM32F205RGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32F205VET7

STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



STM32F205RFT6,32

STMicroelectronics



STM32F205VET6TR

STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



STM32F205RGY6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64BGA



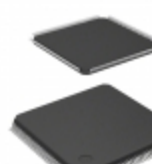
STM32F205VFT6

STMicroelectronics
IC MCU 32BIT 768KB FLASH 100LQFP



STM32F205RGT7

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32F205ZCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 144LQFP



STM32F205VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



STM32F205RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32F205VBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 100LQFP



STM32F205VGT7

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32F205RFT6

STMicroelectronics
IC MCU 32BIT 768KB FLASH 64LQFP



STM32F205ZCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 144LQFP



STM32F205VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP

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 Alleco 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



View More

