



Image may be representation.  
See specifications for product details.



## STM32F205VGT6TR

Manufacturer Part Number	<a href="#">STM32F205VGT6TR</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STM32F205VGT6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	<a href="#">STM32 F2 Series Brochure.pdf</a> <a href="#">STM32F205,207xx Datasheet.pdf</a> <a href="#">STM32F(10,20,21,L1)zzz Prog. Manual.pdf</a> <a href="#">STM2x5,2x7 Flash Programming Manual.pdf</a>
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

STM32F205VGT6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F205VGT6TR datasheet/specifications on AllelcoElec.com. Request a quote for STM32F205VGT6TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STM32F205VGT6TR Tech Specifications  
STM32F205VGT6TR - 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 ~ 85°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	132K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M 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	100-LQFP	Base Product Number	STM32F205
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F205VGT6TR

Product Attribute				
Part Number	STM32F205VGT6TR	STM32F205RGY6TR	STM32F205ZCT6TR	STM32F205VET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	82	51	114	82
Base Product Number	STM32F205	STM32F205	STM32F205	STM32F205
RAM Size	132K x 8	132K x 8	100K x 8	132K x 8
EEPROM Size	-	-	-	-
Supplier Device Package	100-LQFP (14x14)	-	144-LQFP (20x20)	100-LQFP (14x14)
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	256KB (256K x 8)	512KB (512K x 8)
Peripherals	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	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
Package / Case	100-LQFP	64-VFBGA, CSPBGA	144-LQFP	100-LQFP
Speed	120MHz	120MHz	120MHz	120MHz
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Series	STM32F2	STM32F2	STM32F2	STM32F2
Connectivity	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	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
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V

## STM32F205VGT6TR Datasheet PDF

Download STM32F205VGT6TR pdf datasheets and STMicroelectronics documentation for STM32F205VGT6TR - STMicroelectronics.

### Datasheets



STM32 F2 Series Brochure.pdf



STM32F205,207xx Datasheet.pdf

## PCN Packaging

 Material Barrier Bag 17/Dec/2020.pdf


 Box Label Chg 28/Jul/2016.pdf

## PCN Assembly/Origin

 Mult Dev 01/Mar/2021.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

 STM32F(10,20,21,L1)zzz Prog. Manual.pdf

 STM2x5,2x7 Flash Programming Manual.pdf

## Customers Also Interested in

### Recommended Products



**STM32F205RGY6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64BGA



**STM32F205ZCT6TR**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 144LQFP



**STM32F205VET6**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 100LQFP



**STM32F205VFT6**  
STMicroelectronics  
IC MCU 32BIT 768KB FLASH 100LQFP



**STM32F205VGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



**STM32F205ZFT6**  
STMicroelectronics  
IC MCU 32BIT 768KB FLASH 144LQFP



**STM32F205ZGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F205ZCT6**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 144LQFP



**STM32F205VET6TR**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 100LQFP



**STM32F205VET7**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 100LQFP



**STM32F205VCT6**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 100LQFP



**STM32F205VBT6**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 100LQFP



**STM32F205ZET7**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 144LQFP



**STM32F205ZCT7**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 144LQFP



**STM32F205VCT7**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 100LQFP



**STM32F205ZET6**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 144LQFP



**STM32F205ZGT6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32F205ZET7TR**  
STMicroelectronics  
IC MCU 32BIT 512KB FLASH 144LQFP

## 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

Contact us if you have any questions.

 Phone  
+00852 9146 4856

 Email  
info@allelco.com

## Certifications & Memberships



[View More](#)

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](mailto:info@allelco.com)