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See specifications for product details.



## STM32F205VET6TR

Manufacturer Part Number	<b>STM32F205VET6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F205VET6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 100LQFP
Package	100-LQFP
Data sheet	<a href="#">STM32 F2 Series Brochure.pdf</a> <a href="#">STM32F205,207xx Datasheet.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

STM32F205VET6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F205VET6TR datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32F205VET6TR Tech Specifications  
STM32F205VET6TR - 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	512KB (512K 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 STM32F205VET6TR

Product Attribute				
Part Number	STM32F205VET6TR	<a href="#">STM32F205ZCT6</a>	<a href="#">STM32F205ZET6</a>	<a href="#">STM32F205VGT6TR</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F2	STM32F2	STM32F2	STM32F2
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	100-LQFP	144-LQFP	144-LQFP	100-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	512KB (512K x 8)	1MB (1M x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Data Converters	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Speed	120MHz	120MHz	120MHz	120MHz
EEPROM Size	-	-	-	-
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
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
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)	100-LQFP (14x14)
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
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
RAM Size	132K x 8	100K x 8	132K x 8	132K x 8
Number of I/O	82	114	114	82
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	STM32F205	STM32F205	STM32F205	STM32F205

### STM32F205VET6TR Datasheet PDF

Download STM32F205VET6TR pdf datasheets and STMicroelectronics documentation for STM32F205VET6TR - STMicroelectronics.

#### Datasheets

[STM32 F2 Series Brochure.pdf](#)

[STM32F205,207xx Datasheet.pdf](#)

#### PCN Packaging

Material Barrier Bag 17/Dec/2020.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

## Customers Also Interested in

### Recommended Products



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



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



**STM32F205VGT6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



**STM32F205RGT7**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



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



**STM32F205RGT6TR**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



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



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



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



**STM32F205VGT7**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



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



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



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



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



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



**STM32F205RGT6**  
STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



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



**STM32F205VET7**  
STMicroelectronics  
IC MCU 32BIT 512KB 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 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.

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### Certifications & Memberships



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