



Image may be representation.  
See specifications for product details.



## STM32F107VCT6

Manufacturer Part Number	<b>STM32F107VCT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F107VCT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	<b>STM32F105xx, 7xx.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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### Specifications

STM32F107VCT6 Tech Specifications  
STM32F107VCT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Speed	72MHz	Number of I/O	80
Series	STM32F1	Mounting Type	Surface Mount
RAM Size	64K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Size	256KB (256K x 8)	Core Size	32-Bit Single-Core
Peripherals	DMA, POR, PWM, Voltage Detect, WDT	Core Processor	ARM® Cortex®-M3
Package / Case	100-LQFP	Connectivity	CANbus, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG
Package	Tray	Base Product Number	STM32F107

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F107VCT6

Product Attribute				
Part Number	STM32F107VCT6	STM32F205RCT6TR	STM32F105VCT6	STM32F107VCT7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Speed	72MHz	120MHz	72MHz	72MHz
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)
Number of I/O	80	51	80	80
Base Product Number	STM32F107	STM32F205	STM32F105	STM32F107
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32F1	STM32F2	STM32F1	STM32F1
Package	Tray	Tape & Reel (TR)	Tray	Tray
Package / Case	100-LQFP	64-LQFP	100-LQFP	100-LQFP
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
Peripherals	DMA, POR, PWM, Voltage Detect, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	DMA, POR, PWM, Voltage Detect, WDT	DMA, POR, PWM, Voltage Detect, WDT
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, I²C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	1.8V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
RAM Size	64K x 8	100K x 8	64K x 8	64K x 8

### STM32F107VCT6 Datasheet PDF

Download STM32F107VCT6 pdf datasheets and STMicroelectronics documentation for STM32F107VCT6 - STMicroelectronics.

#### PCN Packaging

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

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

#### PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)

[STM32Fx 24/Jun/2022.pdf](#)

#### HTML Datasheet










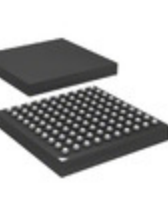



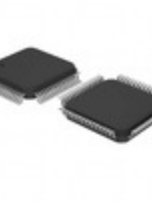




STM32F105xx, 7xx.pdf

PCN Assembly/Origin

STM32F107 A/T 10/Jun/2021.pdf

## Customers Also Interested in

### Recommended Products

					
<b>STM32F205RCT6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F105VCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F105VCT6,32</b> STMicroelectronics	<b>STM32F107VCT7</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F205RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32F151RBH6</b> STMicroelectronics
					
<b>STM32F105VCT6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F107VCT6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F205RCT7</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F107VCH6</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 100LFBGA	<b>STM32F205RCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F205RBT7</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP
					
<b>STM32F105VCT7</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	<b>STM32F107RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32F107RCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F107VBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	<b>STM32F107RCT6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F105VBT6</b> STMicroelectronics IC MCU 32BIT 128KB 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


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