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See specifications for product details.



STM32F100VCT6

Manufacturer Part Number	STM32F100VCT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F100VCT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32F100xC,D,E Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F100VCT6 Tech Specifications

STM32F100VCT6 - 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)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	80
Speed	24MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	24K 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	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	STM32F100
Package	Tray		

Parts with Similar Specifications

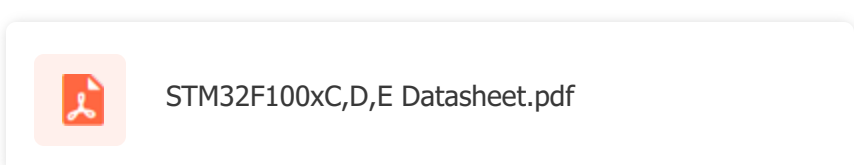
The three parts on the right have similar specifications to STMicroelectronics STM32F100VCT6

Product Attribute				
Part Number	STM32F100VCT6	STM32F100VCT6BTR	STM32F100RDT6BTR	STM32F100VBT6B
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	384KB (384K x 8)	128KB (128K x 8)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	STM32F1	STM32F1	STM32F1	STM32F1
Oscillator Type	Internal	Internal	Internal	Internal
Speed	24MHz	24MHz	24MHz	24MHz
Base Product Number	STM32F100	STM32F100	STM32F100	STM32F100
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	24K x 8	24K x 8	32K x 8	8K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	64-LQFP (10x10)	100-LQFP (14x14)
Number of I/O	80	80	51	80
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
Package / Case	100-LQFP	100-LQFP	64-LQFP	100-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

STM32F100VCT6 Datasheet PDF

Download STM32F100VCT6 pdf datasheets and STMicroelectronics documentation for STM32F100VCT6 - STMicroelectronics.

HTML Datasheet



Customers Also Interested in

Recommended Products

**STM32F100VCT6BTR**STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP**STM32F100RDT6BTR**STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP**STM32F100VBT6B**STMicroelectronics
IC MCU 32BIT 128KB FLASH
100LQFP**STM32F100RCT6TR**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100ZCT6B**STMicroelectronics
IC MCU 32BIT 256KB FLASH
144LQFP**STM32F100VET6**STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP**STM32F100V8T6B,32**

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**STM32F100RCT6B**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100VET6B**STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP**STM32F100VDT6B**STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP**STM32F100RCT7B**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100VBT6BTR**STMicroelectronics
IC MCU 32BIT 128KB FLASH
100LQFP**STM32F100RCT6BTR**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100VDT6BTR**STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP**STM32F100VCT6B**STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP**STM32F100VBT6**

STMicroelectronics

**STM32F100VDT6**STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP**STM32F100V8T6B**STMicroelectronics
IC MCU 32BIT 64KB 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.



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