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See specifications for product details.



STM32F100RCT6BTR

Manufacturer Part Number	STM32F100RCT6BTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F100RCT6BTR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F100xC,D,E Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F100RCT6BTR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F100RCT6BTR datasheet/specifications on AllelcoElec.com. Request a quote for STM32F100RCT6BTR, please send us email: info@allelco.com

Specifications

STM32F100RCT6BTR Tech Specifications
STM32F100RCT6BTR - 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	64-LQFP (10x10)	Number of I/O	51
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	64-LQFP	Base Product Number	STM32F100
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F100RCT6BTR

Product Attribute				
Part Number	STM32F100RCT6BTR	STM32F100VBT6B	STM32F100RBT6BTR	STM32F100RBT6B
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
Package / Case	64-LQFP	100-LQFP	64-LQFP	64-LQFP
EEPROM Size	-	-	-	-
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
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
RAM Size	24K x 8	8K x 8	8K x 8	8K x 8
Base Product Number	STM32F100	STM32F100	STM32F100	STM32F100
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	64-LQFP (10x10)	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	STM32F1	STM32F1	STM32F1	STM32F1
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	51	80	51	51
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	24MHz	24MHz	24MHz	24MHz
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray

STM32F100RCT6BTR Datasheet PDF

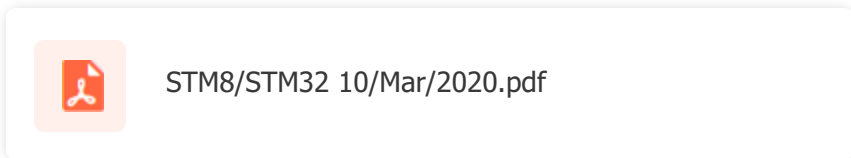
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HTML Datasheet

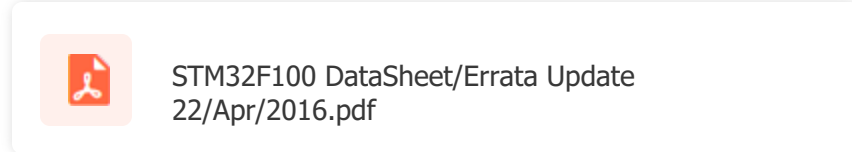
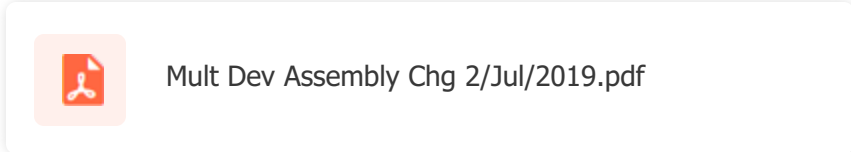
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PCN Packaging

[2.73KHz.pdf](#)



PCN Design/Specification



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STM32F100RB6B STMicroelectronics IC MCU 32BIT 128KB FLASH 64TFBGA	STM32F100RB6BTR STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F100RB6BTR STMicroelectronics IC MCU 32BIT 128KB FLASH 64TFBGA	STM32F100RB6BTR,32 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F100RB6BTR,32 STMicroelectronics IC MCU 32BIT 384KB FLASH 64LQFP	STM32F100RB6BTR,32 STMicroelectronics
STM32F100VB6B,32 STMicroelectronics	STM32F100VB6BTR STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	STM32F100RB6BTR,32 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F100VB6BTR,32 STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	STM32F100VB6BTR,32 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	STM32F100RB6BTR,32 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP

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
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Contact us if you have any questions.

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Certifications & Memberships



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