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See specifications for product details.



STM32F100RB6B

Manufacturer Part Number	STM32F100RB6B
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F100RB6B
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F100RB6B.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F100RB6B - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F100RB6B datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F100RB6B Tech Specifications
STM32F100RB6B - 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	24MHz	Number of I/O	51
Series	STM32F1	Mounting Type	Surface Mount
RAM Size	8K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Size	128KB (128K x 8)	Core Size	32-Bit Single-Core
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	Core Processor	ARM® Cortex®-M3
Package / Case	64-LQFP	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package	Tray	Base Product Number	STM32F100

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F100RB6B

Product Attribute				
Part Number	STM32F100RB6B	STM32F100RBH6BTR	STM32F100RDT6BTR	STM32F100R8T6B
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	24MHz	24MHz	24MHz	24MHz
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
RAM Size	8K x 8	8K x 8	32K x 8	8K x 8
Number of I/O	51	51	51	51
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Series	STM32F1	STM32F1	STM32F1	STM32F1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	64-LQFP	64-TFBGA	64-LQFP	64-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
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
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	384KB (384K x 8)	64KB (64K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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
Base Product Number	STM32F100	STM32F100	STM32F100	STM32F100
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
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
EEPROM Size	-	-	-	-

STM32F100RB6B Datasheet PDF

Download STM32F100RB6B pdf datasheets and STMicroelectronics documentation for STM32F100RB6B - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification

Mult Dev 03/Nov/2022.pdf

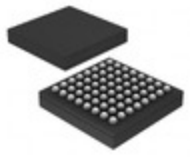
Mult Dev Assembly Chg 2/Jul/2019.pdf

PCN Assembly/Origin



Customers Also Interested in

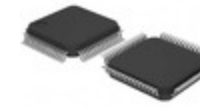
Recommended Products

**STM32F100RBH6BTR**STMicroelectronics
IC MCU 32BIT 128KB FLASH
64TFBGA

NO PICTURE

STM32F100RT6

QFP64

**STM32F100RDT6BTR**STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP**STM32F100R8T6B**STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP**STM32F100RBT6BTR**STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP**STM32F100RBH6TR**

STMicroelectronics

**STM32F100RCT7B**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100R8T6B,32**

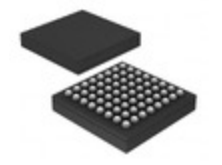
STMicroelectronics

**STM32F100R8T7B**STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP**STM32F100RCT6B**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100RCT6**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100R8T6BTR**STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP**STM32F100V8T6B**STMicroelectronics
IC MCU 32BIT 64KB FLASH 100LQFP**STM32F100RBH6**

STMicroelectronics

**STM32F100RCT6BTR**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100RCT6TR**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F100RBH6TR,32**

STMicroelectronics

**STM32F100RBH6B**STMicroelectronics
IC MCU 32BIT 128KB FLASH
64TFBGA

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



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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