



Image may be representation.
See specifications for product details.



STM32F070RBT6

Manufacturer Part Number	STM32F070RBT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F070RBT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F070xB, 6x Datasheet.pdf
RoHs Status	ROHS3 Compliant

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STM32F070RBT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F070RBT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F070RBT6 Tech Specifications

STM32F070RBT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.4V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	51
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32F070
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F070RBT6

Product Attribute				
Part Number	STM32F070RBT6	STM32F071C8U6	STM32F070C6T6	STM32F070C8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b	A/D 13x12b; D/A 2x12b	A/D 12x12b	A/D 12x12b
Base Product Number	STM32F070	STM32F071	STM32F070	STM32F070
Voltage - Supply (Vcc/Vdd)	2.4V ~ 3.6V	1.65V ~ 3.6V	2.4V ~ 3.6V	2.4V ~ 3.6V
Supplier Device Package	64-LQFP (10x10)	48-UFQFPN (7x7)	48-LQFP (7x7)	48-LQFP (7x7)
Connectivity	I²C, SPI, UART/USART, USB	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32F0	STM32F0	STM32F0	STM32F0
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	51	37	37	37
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	16K x 8	16K x 8	6K x 8	16K x 8
Program Memory Size	128KB (128K x 8)	64KB (64K x 8)	32KB (32K x 8)	128KB (128K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Peripherals	DMA, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Package / Case	64-LQFP	48-UFQFN Exposed Pad	48-LQFP	48-LQFP
Speed	48MHz	48MHz	48MHz	48MHz

STM32F070RBT6 Datasheet PDF


Download STM32F070RBT6 pdf datasheets and STMicroelectronics documentation for STM32F070RBT6 - STMicroelectronics.


PCN Packaging

2.73KHz.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

 Mult Dev Assembly Chg 2/Jul/2019.pdf

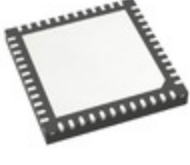



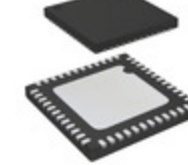
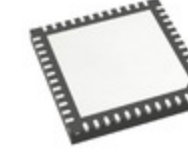
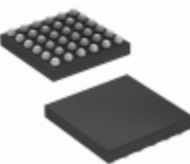






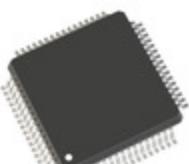


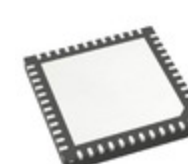

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HTML Datasheet

 STM32F070xB, 6x Datasheet.pdf

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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

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 - > 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.
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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
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