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See specifications for product details.



STM32F071CBT6

Manufacturer Part Number	STM32F071CBT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F071CBT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F071x8, STM32F071xB.pdf STM32F0zzz Programming Manual.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F071CBT6 Tech Specifications

STM32F071CBT6 - STMicroelectronics technical specifications, attributes, parameters

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

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F071CBT6

Product Attribute				
Part Number	STM32F071CBT6	STM32F071CBU6	STM32F051T8Y6TR	STM32F071CBT7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	64KB (64K x 8)	128KB (128K x 8)
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	2V ~ 3.6V	1.65V ~ 3.6V
Connectivity	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART
Base Product Number	STM32F071	STM32F071	STM32F051	STM32F071
Package	Tray	Tray	Tape & Reel (TR)	Tray
Number of I/O	37	37	29	37
RAM Size	16K x 8	16K x 8	8K x 8	16K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Data Converters	A/D 13x12b; D/A 2x12b	A/D 13x12b; D/A 2x12b	A/D 13x12b; D/A 1x12b	A/D 13x12b; D/A 2x12b
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	48-LQFP (7x7)	48-UFQFPN (7x7)	36-WLCSP	48-LQFP (7x7)
EEPROM Size	-	-	-	-
Series	STM32F0	STM32F0	STM32F0	STM32F0
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	48-LQFP	48-UFQFN Exposed Pad	36-UFBGA, WLCSP	48-LQFP
Speed	48MHz	48MHz	48MHz	48MHz

STM32F071CBT6 Datasheet PDF

Download STM32F071CBT6 pdf datasheets and STMicroelectronics documentation for STM32F071CBT6 - STMicroelectronics.

Datasheets

[STM32F071x8, STM32F071xB.pdf](#)

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



LQFP 48 7x7 Products Increased Capacity
21/Dec/201.pdf

PCN Assembly/Origin



STM8/STM32 10/Mar/2020.pdf

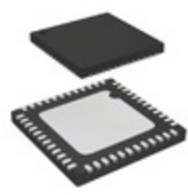
HTML Datasheet



STM32F0zzz Programming Manual.pdf

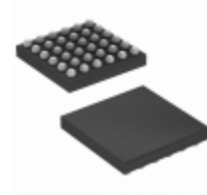
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Recommended Products



STM32F071CBU6

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48UFQFPN



STM32F051T8Y6TR

STMicroelectronics
IC MCU 32BIT 64KB FLASH 36WLCSP



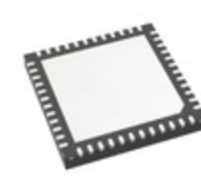
STM32F071CBT7

STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



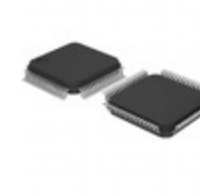
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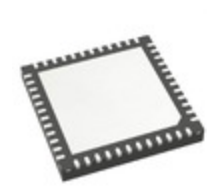
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STM32F070RBT6TR

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STM32F071CBU7TR

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48UFQFPN



STM32F070F6P6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP



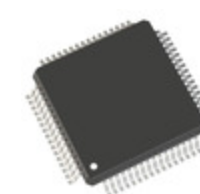
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IC MCU 32BIT 128KB FLASH
49WLCSP



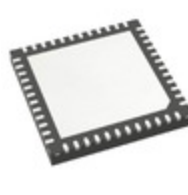
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STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



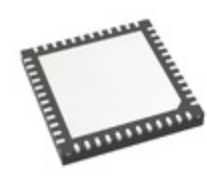
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STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F071CBU6TR

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IC MCU 32BIT 128KB FLSH
48UFQFPN



STM32F071C8U6

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48UFQFPN



STM32F071CBT6TR

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STM32F070C6T6

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STM32F070F6P6TR

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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

> 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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