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See specifications for product details.



STM32G071CBT6

Manufacturer Part Number	STM32G071CBT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32G071CBT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32G071x8, STM32G071xB, STM32L071xZ.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32G071CBT6 Tech Specifications

STM32G071CBT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	44
Speed	64MHz	Mounting Type	Surface Mount
Series	STM32G0	EEPROM Size	-
RAM Size	36K x 8	Data Converters	A/D 17x12b; 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	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	STM32G071
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32G071CBT6

Product Attribute				
Part Number	STM32G071CBT6	STM32G070KBT6TR	STM32G071C8T6TR	STM32G071C8T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 17x12b; D/A 2x12b	A/D 13x12b	A/D 17x12b SAR; D/A 2x12b	A/D 17x12b; D/A 2x12b
Base Product Number	STM32G071	-	-	STM32G071
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Speed	64MHz	64MHz	64MHz	64MHz
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	44	29	44	44
Oscillator Type	Internal	Internal	External, Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	2V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit	32-Bit	32-Bit Single-Core
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	48-LQFP	32-LQFP	48-UFQFN Exposed Pad	48-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	64KB (64K x 8)
Supplier Device Package	48-LQFP (7x7)	32-LQFP (7x7)	48-UFQFPN (7x7)	48-LQFP (7x7)
Series	STM32G0	STM32G0	STM32G0	STM32G0
RAM Size	36K x 8	36K x 8	36K x 8	36K x 8

STM32G071CBT6 Datasheet PDF

Download STM32G071CBT6 pdf datasheets and STMicroelectronics documentation for STM32G071CBT6 - STMicroelectronics.

Datasheets

[STM32G071x8, STM32G071xB, STM32L071xZ.pdf](#)

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

Mult Dev Des Improv 24/Nov/2022.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

Customers Also Interested in

Recommended Products



STM32G070KBT6TR

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STM32G071CBU6TR

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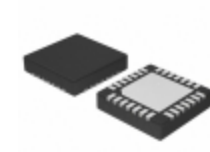
STM32G071C8T6TR

STMicroelectronics
IC MCU 32BIT 64KB FLASH 48LQFP



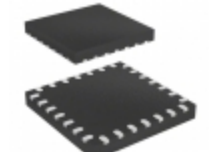
STM32G071CBT6,32

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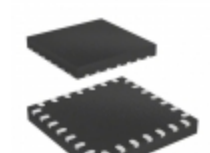
STM32G071G8U6

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IC MCU 32BIT 64KB FLASH 28UFQFPN



STM32G071G8U6N

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IC MCU 32BIT 64KB FLASH 28UFQFPN



STM32G071GBU6

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IC MCU 32BIT 128KB FLSH 28UFQFPN



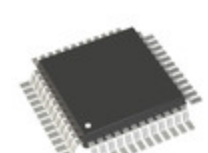
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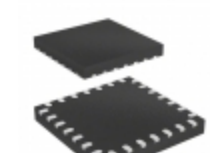
STM32G071C8U3

STMicroelectronics
IC MCU 32BIT 64KB FLASH 48UFQFPN



STM32G070KBT6

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IC MCU 32BIT 128KB FLASH 32LQFP



STM32G071GBU6N

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IC MCU 32BIT 128KB FLSH 28UFQFPN



STM32G071CBT6TR

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IC MCU 32BIT 128KB FLASH 48LQFP



STM32G071CBU3

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IC MCU 32BIT 128KB FLSH 48UFQFPN



STM32G071EBY6TR

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IC MCU 32BIT 128KB FLASH 25WL CSP



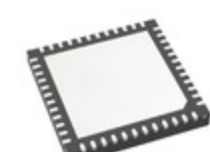
STM32G070RBT6

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IC MCU 32BIT 128KB FLASH 64LQFP



STM32G070CBT6TR

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IC MCU 32BIT 128KB FLASH 48LQFP



STM32G071CBU6

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IC MCU 32BIT 128KB FLSH 48UFQFPN



STM32G071C8U6

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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.



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Certifications & Memberships



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