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See specifications for product details.



STM32G071C8T6TR

Manufacturer Part Number	STM32G071C8T6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32G071C8T6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32G071x8, STM32G071xB Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32G071C8T6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32G071C8T6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32G071C8T6TR Tech Specifications
STM32G071C8T6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 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	64KB (64K 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	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32G071C8T6TR

Product Attribute				
Part Number	STM32G071C8T6TR	STM32G070RBT6	STM32G070KBT6	STM32G070KBT6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
RAM Size	36K x 8	36K x 8	36K x 8	36K x 8
Package / Case	48-LQFP	64-LQFP	32-LQFP	32-LQFP
Data Converters	A/D 17x12b; D/A 2x12b	A/D 19x12b	A/D 13x12b	A/D 13x12b
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	64MHz	64MHz	64MHz	64MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	44	59	29	29
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit
Series	STM32G0	STM32G0	STM32G0	STM32G0
Supplier Device Package	48-LQFP (7x7)	64-LQFP (10x10)	32-LQFP (7x7)	32-LQFP (7x7)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
EEPROM Size	-	-	-	-
Base Product Number	STM32G071	STM32G070	STM32G070	-
Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART

STM32G071C8T6TR Datasheet PDF

Download STM32G071C8T6TR pdf datasheets and STMicroelectronics documentation for STM32G071C8T6TR - STMicroelectronics.


Datasheets

[STM32G071x8, STM32G071xB Datasheet.pdf](#)

PCN Packaging












[Material Barrier Bag 17/Dec/2020.pdf](#)

 Mult Dev Material Chgs 28/Feb/2023.pdf

 Mult Dev Des Improv 24/Nov/2022.pdf

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Recommended Products

 STM32G071CBT6,32 STMicroelectronics	 STM32G070RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	 STM32G070KBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 32LQFP	 STM32G070KBT6TR STMicroelectronics CONTROLLER / PROCESSOR	 STM32G061C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	 STM32G071CBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP
 STM32G071EBY6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 25WL CSP	 STM32G070RBT STMicroelectronics	 STM32G071C8U3 STMicroelectronics IC MCU 32BIT 128KB FL SH 48UFQFPN	 STM32G071CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 STM32G070CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 STM32G071C8U6 STMicroelectronics IC MCU 32BIT 128KB FL SH 48UFQFPN
 STM32G070CBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	 STM32G071C8U6 STMicroelectronics	 STM32G061C6T6 STMicroelectronics CONTROLLER / PROCESSOR	 STM32G051K8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	 STM32G071C8U6TR STMicroelectronics CONTROLLER / PROCESSOR	 STM32G071C8U3 STMicroelectronics IC MCU 32BIT 64KB FLASH 48UFQFPN

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:
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Contact us if you have any questions.

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