STM32F051C8T7TR

Manufacturer Part Number	STM32F051C8T7TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F051C8T7TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F0zzz Programming Manual.pdf
	STM32F051x4, x6, x8 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM32F051C8T7TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F051C8T7TR datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F051C8T7TR, please send us email: info@allelco.com

Specifications

STM32F051C8T7TR Tech Specifications
STM32F051C8T7TR - 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 ~ 105°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	39
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 13x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, I²S, POR, PWM, WDT	Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	STM32F051
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F051C8T7TR

Product Attribute				
Part Number	STM32F051C8T7TR	STM32F051C6T6	STM32F051K6T6TR	STM32F051K4T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F0	STM32F0	STM32F0	STM32F0
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	32-LQFP (7x7)	32-LQFP (7x7)
Speed	48MHz	48MHz	48MHz	48MHz
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	48-LQFP	48-LQFP	32-LQFP	32-LQFP
Data Converters	A/D 13x12b; D/A 1x12b	A/D 13x12b; D/A 1x12b	A/D 13x12b; D/A 1x12b	A/D 13x12b; D/A 1x12b
Number of I/O	39	39	25	25
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Size	64KB (64K x 8)	32KB (32K x 8)	32KB (32K x 8)	16KB (16K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
EEPROM Size	-	-	-	-
Base Product Number	STM32F051	STM32F051	STM32F051	STM32F051

STM32F051C8T7TR Datasheet PDF

Download STM32F051C8T7TR pdf datasheets and STMicroelectronics documentation for STM32F051C8T7TR - STMicroelectronics.

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

📄 STM32F0 31/Mar/2017.pdf
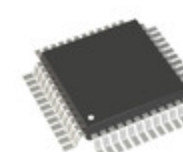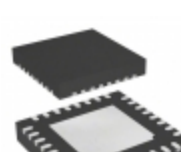
PCN Assembly/Origin

📄 STM8/STM32 10/Mar/2020.pdf
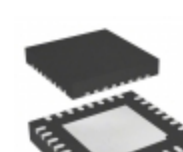
HTML Datasheet

📄 STM32F0zzz Programming Manual.pdf 　　📄 STM32F051x4, x6, x8 Datasheet.pdf
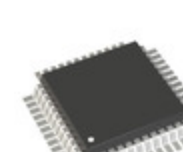
▌Customers Also Interested in

Recommended Products

STM32F051C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F051K6T6TR** STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	**STM32F051K4T6** STMicroelectronics IC MCU 32BIT 16KB FLASH 32LQFP	**STM32F051K6T6** STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	**STM32F051C8U7TR** STMicroelectronics IC MCU 32BIT 64KB FLASH 48UFQFPN	**STM32F051C8T7** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP
STM32F050K4U6A STMicroelectronics IC MCU 32BIT 16KB FLASH 32UFQFPN	**STM32F051C8U7** STMicroelectronics IC MCU 32BIT 64KB FLASH 48UFQFPN	**STM32F050K6U6A** STMicroelectronics IC MCU 32BIT 32KB FLASH 32UFQFPN	**STM32F051C8T6** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	**STM32F051C6T7** STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F051C8T6TR** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP
STM32F051K4T6TR STMicroelectronics IC MCU 32BIT 16KB FLASH 32LQFP	**STM32F051C8U6** STMicroelectronics IC MCU 32BIT 64KB FLASH 48UFQFPN	**STM32F051K6T7** STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	**STM32F051C4T6** STMicroelectronics IC MCU 32BIT 16KB FLASH 48LQFP	**STM32F051C8T6,32** STMicroelectronics	**STM32F051C8U6TR** 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.

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

ISO MEDICAL DEVICES ISO 13485:2016 · ISO CERTIFIED COMPANY 9001:2015 · ISO CERTIFIED COMPANY 14001:2015

ISO 28000:2007 · IPC Member · SMTA Surface Mount Technology Association

View More

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