STM32F030CCT6TR

Manufacturer Part Number	STM32F030CCT6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F030CCT6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F0zzz Programming Manual.pdf
	STM32F030x4,6,8,C Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Image may be representation.
See specifications for product details.

STM32F030CCT6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F030CCT6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F030CCT6TR Tech Specifications
STM32F030CCT6TR - 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	48-LQFP (7x7)	Number of I/O	39
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 12x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	STM32F030
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F030CCT6TR

Product Attribute				
Part Number	STM32F030CCT6TR	STM32F030C8T6	STM32F030CCT6	STM32F030C6T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Program Memory Size	256KB (256K x 8)	64KB (64K x 8)	256KB (256K x 8)	32KB (32K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	39	39	39	39
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	STM32F0	STM32F0	STM32F0	STM32F0
RAM Size	32K x 8	8K x 8	32K x 8	4K x 8
Data Converters	A/D 12x12b	A/D 12x12b	A/D 12x12b	A/D 12x12b
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Speed	48MHz	48MHz	48MHz	48MHz
Voltage - Supply (Vcc/Vdd)	2.4V ~ 3.6V	2.4V ~ 3.6V	2.4V ~ 3.6V	2.4V ~ 3.6V
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
EEPROM Size	-	-	-	-
Base Product Number	STM32F030	STM32F030	STM32F030	STM32F030
Package / Case	48-LQFP	48-LQFP	48-LQFP	48-LQFP

STM32F030CCT6TR Datasheet PDF

Download STM32F030CCT6TR pdf datasheets and STMicroelectronics documentation for STM32F030CCT6TR - STMicroelectronics.

PCN Packaging

📄 2.73KHz.pdf

PCN Assembly/Origin

📄 2.73KHz.pdf

PCN Design/Specification

 Cylindrical Battery Holders.pdf

HTML Datasheet

 STM32F0zzz Programming Manual.pdf

 STM32F030x4,6,8,C Datasheet.pdf

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Recommended Products

STM32F030F4P STMicroelectronics	**STM32F030CBT6** STMicroelectronics	**STM32F030C8T6,32** STMicroelectronics
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STM32F030F4P6TR,32 STMicroelectronics	**STM32F030CCT6** STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	**STM32F030F4P6,32** STMicroelectronics
STM32F030C6T6TR STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F030F4P,32** STMicroelectronics	**STM32F030C8T6TR** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP
STM32F030F4P6 STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	**STM329DD** EnOcean	**STM32F030K6T6** STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP
STM32F030C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F030F4P6TR** STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	**STM32F030C6T6,32** STMicroelectronics

▮ 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.

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Certifications & Memberships

ISO ISO 13485:2016 | ISO 9001:2015 | ISO 14001:2015

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