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See specifications for product details.



STM32F031K6U6TR

Manufacturer Part Number	STM32F031K6U6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F031K6U6TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 32KB FLASH 32UFQFPN
Package	32-UFQFN Exposed Pad
Data sheet	STM32F031x4, STM32F031x6 Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F031K6U6TR Tech Specifications
STM32F031K6U6TR - 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 ~ 85°C (TA)
Supplier Device Package	32-UFQFPN (5x5)	Number of I/O	27
Speed	48MHZ	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 13x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	32-UFQFN Exposed Pad	Base Product Number	STM32F031
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F031K6U6TR

Product Attribute				
Part Number	STM32F031K6U6TR	STM32F042C4T6	STM32F031K6T7	STM32F042C6T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	32-UFQFN Exposed Pad	48-LQFP	32-LQFP	48-LQFP
Number of I/O	27	38	25	38
Base Product Number	STM32F031	STM32F042	STM32F031	STM32F042
Program Memory Size	32KB (32K x 8)	16KB (16K x 8)	32KB (32K x 8)	32KB (32K x 8)
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Series	STM32F0	STM32F0	STM32F0	STM32F0
EEPROM Size	-	-	-	-
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Package	Tape & Reel (TR)	Tray	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 13x12b	A/D 13x12b	A/D 13x12b	A/D 13x12b
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	1.65V ~ 3.6V	2V ~ 3.6V	1.65V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	4K x 8	6K x 8	4K x 8	6K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	32-UFQFPN (5x5)	48-LQFP (7x7)	32-LQFP (7x7)	48-LQFP (7x7)
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB
Speed	48MHz	48MHz	48MHz	48MHz

STM32F031K6U6TR Datasheet PDF

Download STM32F031K6U6TR pdf datasheets and STMicroelectronics documentation for STM32F031K6U6TR - STMicroelectronics.

PCN Packaging

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

[3CP21710 08-APR-2022.pdf](#)

PCN Assembly/Origin

[STM8/STM32 10/Mar/2020.pdf](#)

HTML Datasheet



STM32F031x4, STM32F031x6 Datasheet.pdf

PCN Design/Specification



STM32F0 31/Mar/2017.pdf

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Recommended Products



STM32F042C4T6

STMicroelectronics
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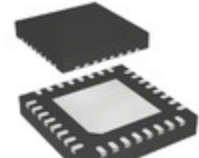
STM32F031K6T7

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STM32F042C6T6

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STM32F031K6U7

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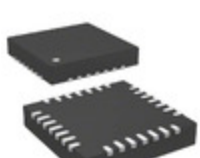
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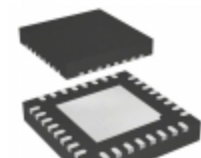
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STM32F031G6U6TR

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STM32F031K6U6

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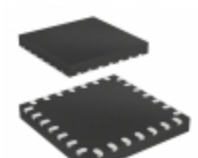
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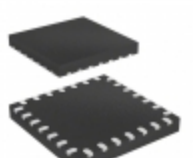
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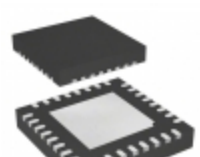
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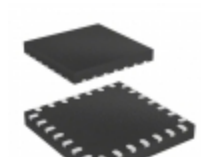
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STM32F031K4U6TR

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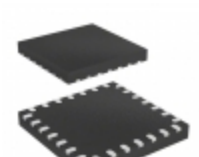
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STM32F038C6T7

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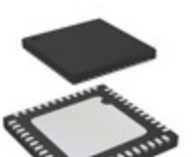
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STM32F042C6U6

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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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