



Image may be representation.
See specifications for product details.



STM32F031E6Y6TR

Manufacturer Part Number	STM32F031E6Y6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F031E6Y6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 32KB FLASH 25WLCSP
Package	25-UFBGA, WLCSP
Data sheet	STM32F031x4, STM32F031x6 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F031E6Y6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F031E6Y6TR datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F031E6Y6TR, please send us email: info@allelco.com

Specifications

STM32F031E6Y6TR Tech Specifications
STM32F031E6Y6TR - 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	25-WLCSP	Number of I/O	20
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, I ² S, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	25-UFBGA, WLCSP	Base Product Number	STM32F031
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F031E6Y6TR

Product Attribute				
Part Number	STM32F031E6Y6TR	STM32F031F6P6	STM32F030RCT6	STM32F030R8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	25-UFBGA, WLCSP	20-TSSOP (0.173', 4.40mm Width)	64-LQFP	64-LQFP
RAM Size	4K x 8	4K x 8	32K x 8	8K x 8
Package	Tape & Reel (TR)	Tube	Tray	Tray
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	256KB (256K x 8)	64KB (64K x 8)
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	20	15	51	55
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Data Converters	A/D 13x12b	A/D 12x12b	A/D 18x12b	A/D 18x12b
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2.4V ~ 3.6V	2.4V ~ 3.6V
Series	STM32F0	STM32F0	STM32F0	STM32F0
Speed	48MHz	48MHz	48MHz	48MHz
Base Product Number	STM32F031	STM32F031	STM32F030	STM32F030
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	25-WLCSP	20-TSSOP	64-LQFP (10x10)	-

STM32F031E6Y6TR Datasheet PDF

Download STM32F031E6Y6TR pdf datasheets and STMicroelectronics documentation for STM32F031E6Y6TR - STMicroelectronics.

HTML Datasheet

[STM32F031x4, STM32F031x6 Datasheet.pdf](#)

PCN Design/Specification

[STM32F0 31/Mar/2017.pdf](#)



WLCSP Backend Assembly Add 28/Dec/2017.pdf

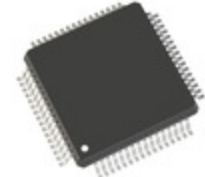
Customers Also Interested in

Recommended Products



STM32F031F6P6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP



STM32F030RCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32F030R8T6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP



STM32F031F4P6

STMicroelectronics
IC MCU 32BIT 16KB FLASH 20TSSOP



STM32F031C6T6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP



STM32F031F6P7

STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP



STM32F031C4T6

STMicroelectronics
IC MCU 32BIT 16KB FLASH 48LQFP



STM32F030R8T6,32

STMicroelectronics



STM32F031C6T6TR

STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP



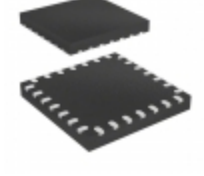
STM32F030RCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



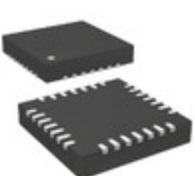
STM32F031C6T7

STMicroelectronics
IC MCU 32BIT 32KB FLASH 48TQFP



STM32F031G6U6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 28UFQFN



STM32F031G6U6TR

STMicroelectronics
IC MCU 32BIT 32KB FLASH 28UFQFN



STM32F031F6P6TR

STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP



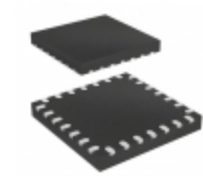
STM32F031F4P7

STMicroelectronics
IC MCU 32BIT 16KB FLASH 20TSSOP



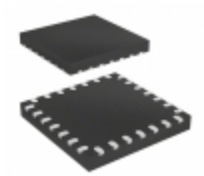
STM32F030R8T6TR

STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP



STM32F031G4U7

STMicroelectronics
IC MCU 32BIT 16KB FLASH 28UFQFN



STM32F031G4U6

STMicroelectronics
IC MCU 32BIT 16KB FLASH 28UFQFN

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



View More