STM32F031F6P6TR

Manufacturer Part Number	STM32F031F6P6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F031F6P6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 32KB FLASH 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	STM32F031x4, STM32F031x6 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

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STM32F031F6P6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F031F6P6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F031F6P6TR Tech Specifications
STM32F031F6P6TR - 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	20-TSSOP	Number of I/O	15
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 12x12b
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	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	STM32F031
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F031F6P6TR

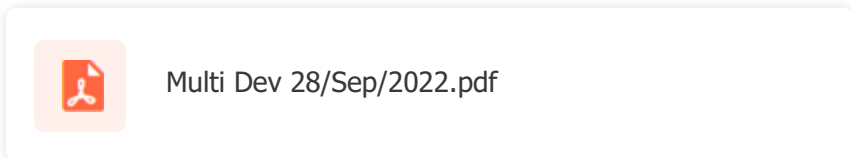| Product Attribute				
Part Number	STM32F031F6P6TR	STM32F031K6T7	STM32F031G4U7	STM32F031K4U6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Series	STM32F0	STM32F0	STM32F0	STM32F0
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 12x12b	A/D 13x12b	A/D 13x12b	A/D 13x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	20-TSSOP (0.173", 4.40mm Width)	32-LQFP	28-UFQFN	32-UFQFN Exposed Pad
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
EEPROM Size	-	-	-	-
Speed	48MHz	48MHz	48MHz	48MHz
Supplier Device Package	20-TSSOP	32-LQFP (7x7)	28-UFQFPN (4x4)	32-UFQFPN (5x5)
Number of I/O	15	25	23	27
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	16KB (16K x 8)	16KB (16K x 8)
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Base Product Number	STM32F031	STM32F031	STM32F031	STM32F031
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core

STM32F031F6P6TR Datasheet PDF

Download STM32F031F6P6TR pdf datasheets and STMicroelectronics documentation for STM32F031F6P6TR - STMicroelectronics.

PCN Packaging

Mult Dev Inner Pkg Chg 30/Oct/2019.pdf

HTML Datasheet

STM32F031x4, STM32F031x6 Datasheet.pdf

PCN Assembly/Origin

Multi Dev 28/Sep/2022.pdf

PCN Design/Specification

STM32F0 31/Mar/2017.pdf

▮ Customers Also Interested in

Recommended Products

Product	Manufacturer	Description
STM32F031K6T7	STMicroelectronics	IC MCU 32BIT 32KB FLASH 32LQFP
STM32F031G4U7	STMicroelectronics	IC MCU 32BIT 16KB FLASH 28UFQFPN
STM32F031K4U6TR	STMicroelectronics	IC MCU 32BIT 16KB FLASH 32UFQFPN
STM32F031G6U6	STMicroelectronics	IC MCU 32BIT 32KB FLASH 28UFQFN
STM32F031F4P7	STMicroelectronics	IC MCU 32BIT 16KB FLASH 20TSSOP
STM32F031G4U6	STMicroelectronics	IC MCU 32BIT 16KB FLASH 28UFQFPN
STM32F031G6U6TR	STMicroelectronics	IC MCU 32BIT 32KB FLASH 28UFQFPN
STM32F031F6P6,32	STMicroelectronics	
STM32F031E6Y6TR	STMicroelectronics	IC MCU 32BIT 32KB FLASH 25WLCSP
STM32F031C6T6	STMicroelectronics	IC MCU 32BIT 32KB FLASH 48LQFP
STM32F031C4T6	STMicroelectronics	IC MCU 32BIT 16KB FLASH 48LQFP
STM32F031F6P6	STMicroelectronics	IC MCU 32BIT 32KB FLASH 20TSSOP
STM32F031C6T6TR	STMicroelectronics	IC MCU 32BIT 32KB FLASH 48LQFP
STM32F031K6T6	STMicroelectronics	IC MCU 32BIT 32KB FLASH 32LQFP
STM32F031C6T7	STMicroelectronics	IC MCU 32BIT 32KB FLASH 48TQFP
STM32F031F6P7	STMicroelectronics	IC MCU 32BIT 32KB FLASH 20TSSOP
STM32F031F4P6	STMicroelectronics	IC MCU 32BIT 16KB FLASH 20TSSOP
STM32F031K4U6	STMicroelectronics	IC MCU 32BIT 16KB FLASH 32UFQFPN

▮ 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

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

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