STM32F031F4P6

Manufacturer Part Number	STM32F031F4P6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F031F4P6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 16KB 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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STM32F031F4P6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F031F4P6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F031F4P6 Tech Specifications
STM32F031F4P6 - 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	16KB (16K 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	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F031F4P6

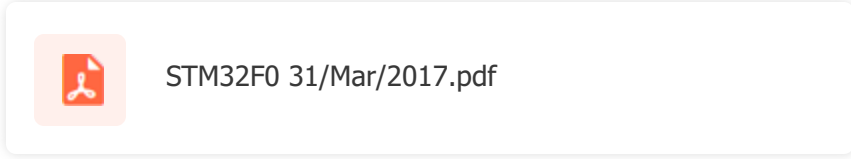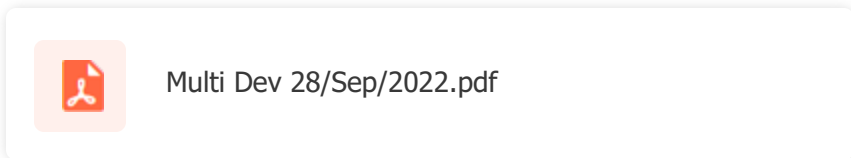| Product Attribute				
Part Number	STM32F031F4P6	STM32F031F6P6	STM32F031G6U6TR	STM32F031F6P6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Number of I/O	15	15	23	15
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	48MHz	48MHz	48MHz	48MHz
Program Memory Size	16KB (16K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Series	STM32F0	STM32F0	STM32F0	STM32F0
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Base Product Number	STM32F031	STM32F031	STM32F031	STM32F031
Supplier Device Package	20-TSSOP	20-TSSOP	28-UFQFPN (4x4)	20-TSSOP
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
Data Converters	A/D 12x12b	A/D 12x12b	A/D 13x12b	A/D 12x12b
Package / Case	20-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173', 4.40mm Width)	28-UFQFN Exposed Pad	20-TSSOP (0.173", 4.40mm Width)
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
EEPROM Size	-	-	-	-

STM32F031F4P6 Datasheet PDF

Download STM32F031F4P6 pdf datasheets and STMicroelectronics documentation for STM32F031F4P6 - STMicroelectronics.

PCN Packaging

Moisture Barrier Bag 09/May/2016.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

STM32F031F6P6 STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP	**STM32F031G6U6TR** STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	**STM32F031F6P6TR** STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP
STM32F031K4U6 STMicroelectronics IC MCU 32BIT 16KB FLASH 32UFQFPN	**STM32F030R8T6,32** STMicroelectronics	**STM32F031G4U6** STMicroelectronics IC MCU 32BIT 16KB FLASH 28UFQFPN
STM32F030R8T6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	**STM32F031C6T7** STMicroelectronics IC MCU 32BIT 32KB FLASH 48TQFP	**STM32F030RCT6TR** STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP
STM32F031E6Y6TR STMicroelectronics IC MCU 32BIT 32KB FLASH 25WLCSP	**STM32F031C6T6TR** STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F030RCT6** STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP
STM32F031F6P7 STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP	**STM32F031C4T6** STMicroelectronics IC MCU 32BIT 16KB FLASH 48LQFP	**STM32F031F4P7** STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP
STM32F031C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F031G4U7** STMicroelectronics IC MCU 32BIT 16KB FLASH 28UFQFPN	**STM32F031G6U6** STMicroelectronics IC MCU 32BIT 32KB 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.

EAST WEST BANK | MasterCard | VISA
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Certifications & Memberships

ISO 13485:2016 | ISO 9001:2015 | ISO 14001:2015
ISO 28000:2007 | IPC Member | SMTA Surface Mount Technology Association

View More

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