



Image may be representation.
See specifications for product details.



STM32G031F4P6

Manufacturer Part Number	STM32G031F4P6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32G031F4P6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 16KB FLASH 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	Getting Started with STM32CubeG0 for STM32G0 Serie.pdf STM32G031x(4,6,8) Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32G031F4P6 Tech Specifications
STM32G031F4P6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-TSSOP	Number of I/O	18
Speed	64MHz	Mounting Type	Surface Mount
Series	STM32G0	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 17x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	16KB (16K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	STM32G031
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32G031F4P6

Product Attribute				
Part Number	STM32G031F4P6	STM32G031C8T6	STM32G031J6M6	STM32G030K6T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	16KB (16K x 8)	64KB (64K x 8)	32KB (32K x 8)	32KB (32K x 8)
Data Converters	A/D 17x12b	A/D 19x12b	A/D 8x12b	A/D 18x12b
Package / Case	20-TSSOP (0.173", 4.40mm Width)	48-LQFP	8-SOIC (0.154", 3.90mm Width)	32-LQFP
EEPROM Size	-	-	-	-
Series	STM32G0	STM32G0	STM32G0	STM32G0
Base Product Number	STM32G031	STM32G031	STM32G031	STM32G030
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	2V ~ 3.6V
Speed	64MHz	64MHz	64MHz	64MHz
Number of I/O	18	44	6	29
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
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tray	Tube	Tape & Reel (TR)
Supplier Device Package	20-TSSOP	48-LQFP (7x7)	8-SOIC	32-LQFP (7x7)

STM32G031F4P6 Datasheet PDF

Download STM32G031F4P6 pdf datasheets and STMicroelectronics documentation for STM32G031F4P6 - STMicroelectronics.

Datasheets

STM32G031x(4,6,8) Datasheet.pdf


PCN Assembly/Origin

 STM32G A/T Add 26/Apr/2021.pdf

PCN Design/Specification



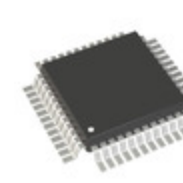


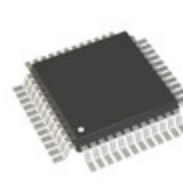
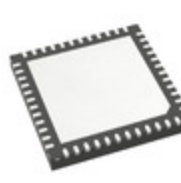

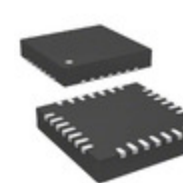

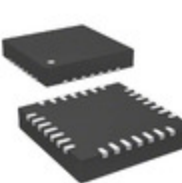
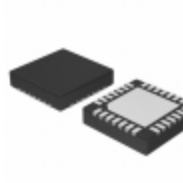
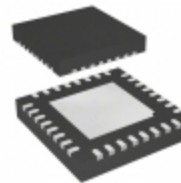





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Shipment

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.

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