STM32F031G4U6

Manufacturer Part Number	**STM32F031G4U6**
Manufacturer	**STMicroelectronics**
Allelco Part Number	32D-STM32F031G4U6
ECAD Model	▷ Request Free CAD Models
Parts Description	IC MCU 32BIT 16KB FLASH 28UFQFPN
Package	28-UFQFN
Data sheet	**STM32F031x4, STM32F031x6 Datasheet.pdf**
RoHs Status	RoHS ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM32F031G4U6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F031G4U6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F031G4U6 Tech Specifications
STM32F031G4U6 - 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	28-UFQFPN (4x4)	Number of I/O	23
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	16KB (16K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-UFQFN	Base Product Number	STM32F031
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F031G4U6

Product Attribute				
Part Number	STM32F031G4U6	STM32F031F6P6TR	STM32F031C6T7	STM32F031K6U6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Base Product Number	STM32F031	STM32F031	STM32F031	STM32F031
Speed	48MHz	48MHz	48MHz	48MHz
Data Converters	A/D 13x12b	A/D 12x12b	A/D 13x12b	A/D 13x12b
Series	STM32F0	STM32F0	STM32F0	STM32F0
RAM Size	4K x 8	4K x 8	4K x 8	4K x 8
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
Package / Case	28-UFQFN	20-TSSOP (0.173", 4.40mm Width)	48-LQFP	32-UFQFN Exposed Pad
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Supplier Device Package	28-UFQFPN (4x4)	20-TSSOP	48-TQFP (7x7)	32-UFQFPN (5x5)
EEPROM Size	-	-	-	-
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Number of I/O	23	15	39	27
Program Memory Size	16KB (16K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal

STM32F031G4U6 Datasheet PDF

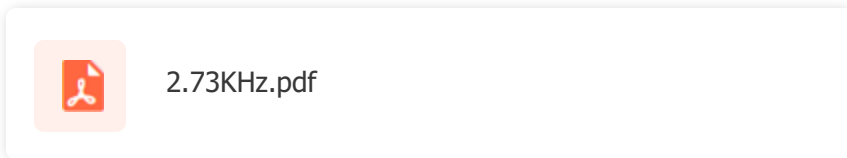Download STM32F031G4U6 pdf datasheets and STMicroelectronics documentation for STM32F031G4U6 - STMicroelectronics.
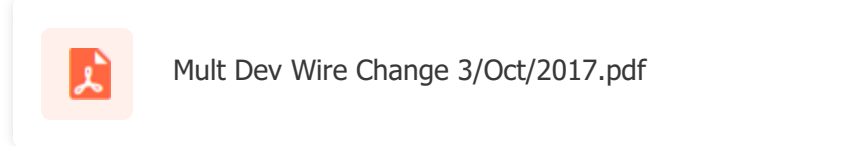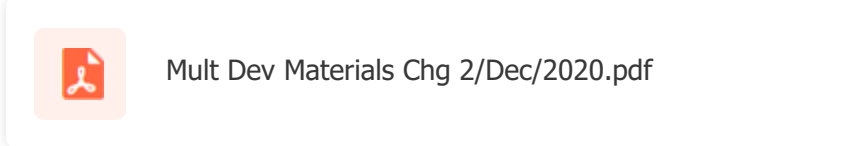
PCN Packaging

📄 2.73KHz.pdf

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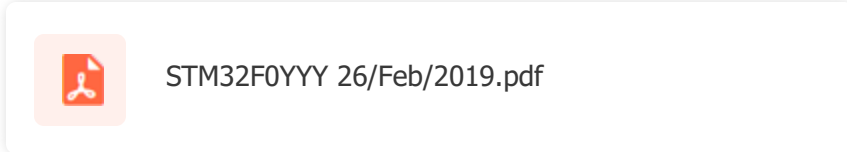
📄 STM32F031x4, STM32F031x6 Datasheet.pdf

PCN Part Number

📄 2.73KHz.pdf

PCN Design/Specification

📄 Mult Dev Materials Chg 2/Dec/2020.pdf

📄 Mult Dev Wire Change 3/Oct/2017.pdf

PCN Assembly/Origin

📄 STM32F0YYY 26/Feb/2019.pdf

◼ Customers Also Interested in

Recommended Products

STM32F031F6P6TR	STM32F031C6T7	STM32F031K6U6TR	STM32F031K4U6TR	STM32F031K4U6	STM32F031K6T7
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP	IC MCU 32BIT 32KB FLASH 48TQFP	IC MCU 32BIT 32KB FLASH 32UFQFPN	IC MCU 32BIT 16KB FLASH 32UFQFPN	IC MCU 32BIT 16KB FLASH 32UFQFPN	IC MCU 32BIT 32KB FLASH 32LQFP

STM32F031C6T6TR	STM32F031K6U6	STM32F031F4P6	STM32F031E6Y6TR	STM32F031G4U7	STM32F031F4P7
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP	IC MCU 32BIT 32KB FLASH 32UFQFPN	IC MCU 32BIT 16KB FLASH 20TSSOP	IC MCU 32BIT 32KB FLASH 25WLCSP	IC MCU 32BIT 16KB FLASH 28UFQFPN	IC MCU 32BIT 16KB FLASH 20TSSOP

STM32F031F6P7	STM32F031F6P6	STM32F031F6P6,32	STM32F031G6U6TR	STM32F031G6U6	STM32F031K6T6
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP	IC MCU 32BIT 32KB FLASH 20TSSOP		IC MCU 32BIT 32KB FLASH 28UFQFPN	IC MCU 32BIT 32KB FLASH 28UFQFN	IC MCU 32BIT 32KB FLASH 32LQFP

◼ 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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WESTERN UNION   PayPal

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⚙ Efficient Supply Management   🚚 Cost-Saving Procurement   ⚡ Fast Sourcing & Delivery

Contact us if you have any questions.

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info@allelco.com

Certifications & Memberships

ISO MEDICAL DEVICES ISO 13485:2016   ISO CERTIFIED 9001:2015 COMPANY   ISO CERTIFIED 14001:2015 COMPANY

ISO 28000:2007   IPC Member   SMTA Surface Mount Technology Association

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