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See specifications for product details.



STM32L031K6U6

Manufacturer Part Number **STM32L031K6U6**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32L031K6U6**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 32BIT 32KB FLASH 32UFQFPN**

Package **32-UFQFN Exposed Pad**

Data sheet **STM32F0,STM32L0 Getting Started.pdf**

STM32L0 Series Programming Manual.pdf

STM32L031x4 ,x6.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

STM32L031K6U6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L031K6U6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L031K6U6 Tech Specifications

STM32L031K6U6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-UFQFPN (5x5)	Number of I/O	27
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	1K x 8
RAM Size	8K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	32-UFQFN Exposed Pad	Base Product Number	STM32L031
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L031K6U6

Product Attribute				
Part Number	STM32L031K6U6	STM32L051C6T6	STM32L051K6T6	STM32L051K6U6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	32-UFQFN Exposed Pad	48-LQFP	32-LQFP	32-UFQFN Exposed Pad
Supplier Device Package	32-UFQFPN (5x5)	48-LQFP (7x7)	32-LQFP (7x7)	32-UFQFPN (5x5)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tray	Tray	Tray	Tray
EEPROM Size	1K x 8	2K x 8	2K x 8	2K x 8
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
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
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Series	STM32L0	STM32L0	STM32L0	STM32L0
Base Product Number	STM32L031	STM32L051	STM32L051	STM32L051
Speed	32MHz	32MHz	32MHz	32MHz
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART
Number of I/O	27	37	27	27

STM32L031K6U6 Datasheet PDF

Download STM32L031K6U6 pdf datasheets and STMicroelectronics documentation for STM32L031K6U6 - STMicroelectronics.

Datasheets

STM32L031x4 ,x6.pdf

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

Datasheet Chg 07/Mar/2016.pdf

Die Redesign 11/May/2016.pdf

HTML Datasheet

STM32F0,STM32L0 Getting Started.pdf

STM32L0 Series Programming Manual.pdf

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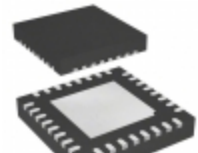
STM32L051C6T6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP



STM32L051K6T6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 32LQFP



STM32L051K6U6

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IC MCU 32BIT 32KB FLASH 32UFQFPN



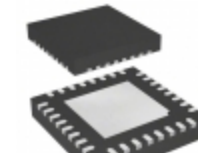
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STMicroelectronics
IC MCU 32BIT 32KB FLASH 20TSSOP



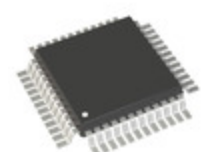
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IC MCU 32BIT 32KB FLASH 28UFQFPN



STM32L031K6U6TR

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IC MCU 32BIT 32KB FLASH 32UFQFPN



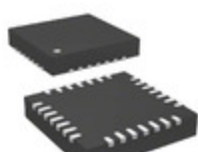
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IC MCU 32BIT 32KB FLASH 32LQFP



STM32L051C8T6TR

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IC MCU 32BIT 64KB FLASH 48LQFP



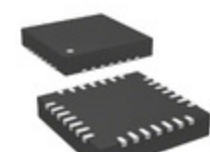
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STMicroelectronics
IC MCU 32BIT 32KB FLASH 28UFQFPN



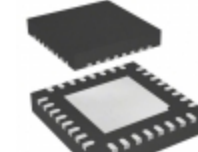
STM32L031G6U3TR

STMicroelectronics
IC MCU 32BIT 32KB FLASH 28UFQFPN



STM32L031G6U7

STMicroelectronics
IC MCU 32BIT 32KB FLASH 28UFQFPN



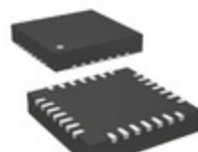
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STM32L051C8T7TR

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IC MCU 32BIT 64KB FLASH 48LQFP



STM32L031G6U6TR

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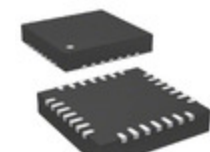
STM32L051C8T6

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IC MCU 32BIT 64KB FLASH 48LQFP



STM32L051C8T3

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STM32L031G6U6

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IC MCU 32BIT 32KB FLASH 28UFQFPN



STM32L031K6T6

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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 Alleco 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
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Certifications & Memberships



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