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See specifications for product details.



STM32L021K4T6

Manufacturer Part Number	STM32L021K4T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L021K4T6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 16KB FLASH 32LQFP
Package	32-LQFP
Data sheet	STM32F0,STM32L0 Getting Started.pdf STM32L0 Series Brochure.pdf STM32L021x4.pdf
RoHs Status	ROHS3 Compliant

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STM32L021K4T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L021K4T6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L021K4T6 Tech Specifications

STM32L021K4T6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	28
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	512 x 8
RAM Size	2K x 8	Data Converters	A/D 10x12b
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, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	32-LQFP	Base Product Number	STM32L021
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L021K4T6

Product Attribute				
Part Number	STM32L021K4T6	STM32L031F6P7	STM32L011F4U3TR	STM32L011K4T6D
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Number of I/O	28	15	16	26
EEPROM Size	512 x 8	1K x 8	512 x 8	512 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
RAM Size	2K x 8	8K x 8	2K x 8	2K x 8
Package / Case	32-LQFP	20-TSSOP (0.173", 4.40mm Width)	20-UFQFN	32-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Speed	32MHz	32MHz	32MHz	32MHz
Base Product Number	STM32L021	STM32L031	STM32L011	STM32L011
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Series	STM32L0	STM32L0	STM32L0	STM32L0
Supplier Device Package	32-LQFP (7x7)	20-TSSOP	20-UFQFPN (3x3)	32-LQFP (7x7)
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tape & Reel (TR)	Tray
Program Memory Size	16KB (16K x 8)	32KB (32K x 8)	16KB (16K x 8)	16KB (16K x 8)
Data Converters	A/D 10x12b	A/D 10x12b	A/D 7x12b	A/D 10x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

STM32L021K4T6 Datasheet PDF

Download STM32L021K4T6 pdf datasheets and STMicroelectronics documentation for STM32L021K4T6 - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

HTML Datasheet


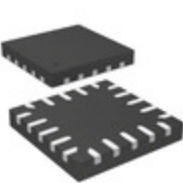



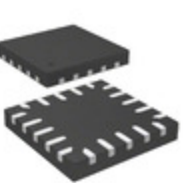





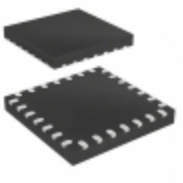
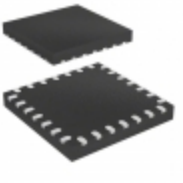

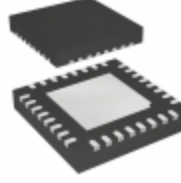
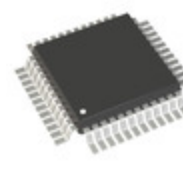

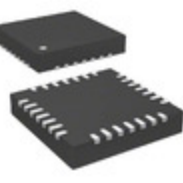
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STM32L011G4U6 STMicroelectronics IC MCU 32BIT 16KB FLASH 28UFQFPN	STM32L031C6U6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48UFQFPN	STM32L011K4U6TR STMicroelectronics IC MCU 32BIT 16KB FLASH 32LQFP	STM32L011K4T6 STMicroelectronics IC MCU 32BIT 16KB FLASH 32LQFP	STM32L031F4P6 STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	STM32L031G6U3 STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN

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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