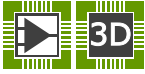





STM32L471VGT6TR

Manufacturer Part Number	STM32L471VGT6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L471VGT6TR
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32L471xx.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STM32L471VGT6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L471VGT6TR datasheet/specifications on AllelcoElec.com.
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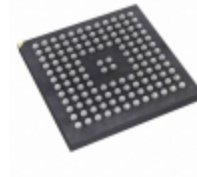

Specifications

STM32L471VGT6TR Tech Specifications
STM32L471VGT6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	82
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART
Package / Case	100-LQFP	Base Product Number	STM32L471
Package	Tape & Reel (TR)		

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STM32L471VGT6TR

Product Attribute	 NO PICTURE			
Part Number	STM32L471VGT6TR	STM32L475RGT6	STM32L471QG16	STM32L471RGT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 19x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tape & Reel (TR)	Tray	Tray	Tray
Base Product Number	STM32L471	STM32L475	STM32L471	STM32L471
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	128K x 8	128K x 8	128K x 8	128K x 8
Speed	80MHz	80MHz	80MHz	80MHz
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-LQFP	64-LQFP	132-UFBGA	64-LQFP
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Number of I/O	82	51	109	51
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Series	STM32L4	STM32L4	STM32L4	STM32L4
Supplier Device Package	100-LQFP (14x14)	64-LQFP (10x10)	132-UFBGA (7x7)	64-LQFP (10x10)
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount


STM32L471VGT6TR Datasheet PDF

Download STM32L471VGT6TR pdf datasheets and STMicroelectronics documentation for STM32L471VGT6TR - STMicroelectronics.

Datasheets


[STM32L471xx.pdf](#)

PCN Packaging


[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin



Mult Dev 01/Mar/2021.pdf

PCN Design/Specification



Mult Dev Material Chgs 28/Feb/2023.pdf

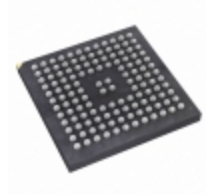
Customers Also Interested in

Recommended Products



STM32L475RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



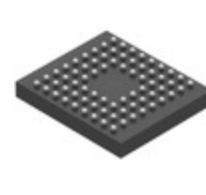
STM32L471QGI6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 132UFBGA



STM32L471RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32L476JEY6TR

STMicroelectronics
IC MCU 32BIT 512KB FLASH 72WLCSP



STM32L471VET6TR

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IC MCU 32BIT 512KB FLASH 100LQFP



STM32L471RET6TR

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STM32L475VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



STM32L471ZGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32L471VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



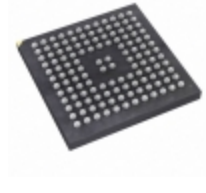
STM32L471ZEJ3TR

STMicroelectronics
CONTROLLER / PROCESSOR



STM32L471VGT3

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



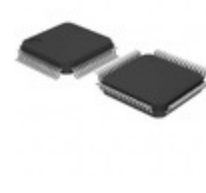
STM32L471QEI6

STMicroelectronics
IC MCU 32BIT 512KB FLSH 132UFBGA



STM32L475VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L475RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32L462RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32L475VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 100LQFP

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

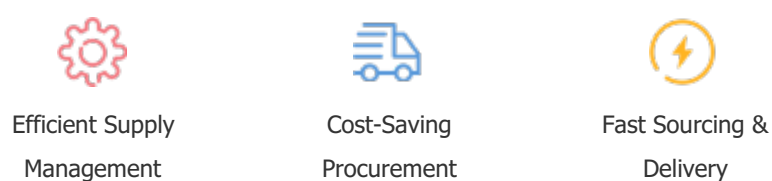
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

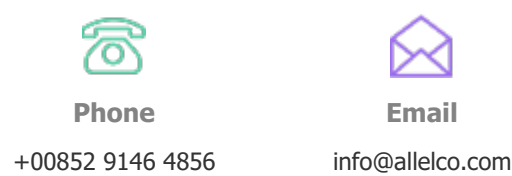
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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