



Image may be representation.
See specifications for product details.



STM32L552RET6

Manufacturer Part Number	STM32L552RET6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L552RET6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32L552xx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L552RET6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L552RET6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32L552RET6, please send us email: info@allelco.com

Specifications

STM32L552RET6 Tech Specifications

STM32L552RET6 - 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	64-LQFP (10x10)	Number of I/O	52
Speed	110MHz	Mounting Type	Surface Mount
Series	STM32L5	EEPROM Size	-
RAM Size	256K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M33
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32L552
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L552RET6

Product Attribute				
Part Number	STM32L552RET6	STM32L4R9AI16	STM32L552CCT6	STM32L562VET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STM32L552	STM32L4R9	STM32L552	STM32L562
Number of I/O	52	131	38	83
Program Memory Size	512KB (512K x 8)	2MB (2M x 8)	256KB (256K x 8)	512KB (512K x 8)
Supplier Device Package	64-LQFP (10x10)	169-UFBGA (7x7)	48-LQFP (7x7)	100-LQFP (14x14)
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	256K x 8	640K x 8	256K x 8	256K x 8
Series	STM32L5	STM32L4R	STM32L5	STM32L5
Data Converters	A/D 16x12b; D/A 2x12b	A/D 14x12b; D/A 2x12b	A/D 9x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Speed	110MHz	120MHz	110MHz	110MHz
Connectivity	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, UART/USART, USB	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, UART/USART, USB
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M33	ARM® Cortex®-M4	ARM® Cortex®-M33	ARM® Cortex®-M33
Package	Tray	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 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)
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT
Package / Case	64-LQFP	169-UFBGA	48-LQFP	100-LQFP

STM32L552RET6 Datasheet PDF

Download STM32L552RET6 pdf datasheets and STMicroelectronics documentation for STM32L552RET6 - STMicroelectronics.

Datasheets

[STM32L552xx.pdf](#)


PCN Packaging

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

PCN Assembly/Origin

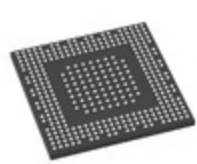
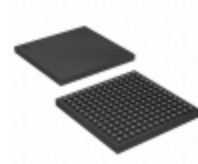
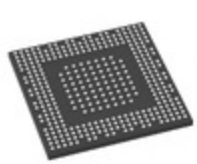


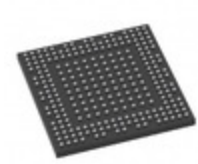
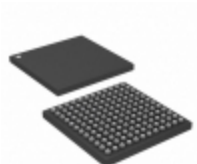



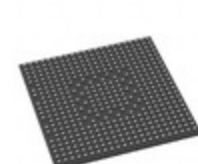

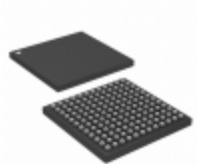


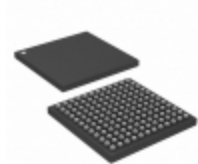


 STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

 STM32L5 28/May/2020.pdf

Customers Also Interested in

Recommended Products

					
STM32MP153AAB3 STMicroelectronics MPU ARM DUAL CORTEX-A7 650 MHZ A	STM32L4R9AII6 STMicroelectronics IC MCU 32BIT 2MB FLASH 169UFBGA	STM32MP151AAC3 STMicroelectronics MPU ARM CORTEX-A7 650 MHZ ARM CO	STM32L552CCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32L562VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32MP151CAD3 STMicroelectronics MPU WITH ARM CORTEX-A7 650 MHZ,
					
STM32L4R9ZIJ6 STMicroelectronics IC MCU 32BIT 2MB FLASH 144UFBGA	STM32L562ZET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP	STM32L562RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	STM32L562ZET6TR STMicroelectronics CONTROLLER / PROCESSOR	STM32MP153AAA3 STMicroelectronics MPU ARM DUAL CORTEX-A7 650 MHZ A	STM32L562VET6TR STMicroelectronics CONTROLLER / PROCESSOR
					
STM32L4R9ZIY6PTR STMicroelectronics IC MCU 32BIT 2MB FLASH 144WLCSP	STM32L552VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32L4R9ZIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	STM32L4R9ZIY6TR STMicroelectronics IC MCU 32BIT 2MB FLASH 144WLCSP	STM32L552CET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 48LQFP	STM32L4S5ZIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP

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

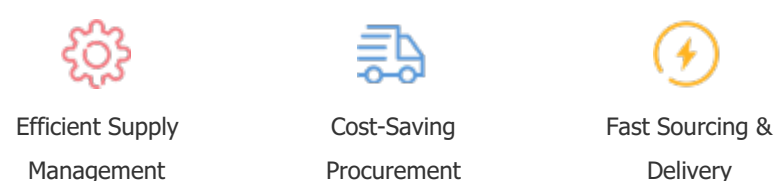
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

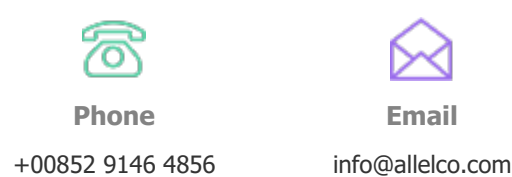
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)

