



Image may be representation.  
See specifications for product details.



## STM32L4R5ZGT6

Manufacturer Part Number	<b>STM32L4R5ZGT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L4R5ZGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32L4R5ZGT6.pdf
RoHs Status	<b>ROHS3 Compliant</b>

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STM32L4R5ZGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L4R5ZGT6 datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32L4R5ZGT6 Tech Specifications

STM32L4R5ZGT6 - 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	144-LQFP (20x20)	Number of I/O	115
Speed	120MHz	Mounting Type	Surface Mount
Series	STM32L4R	EEPROM Size	-
RAM Size	640K 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, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG
Package / Case	144-LQFP	Base Product Number	STM32L4R5
Package	Tray		

### Parts with Similar Specifications

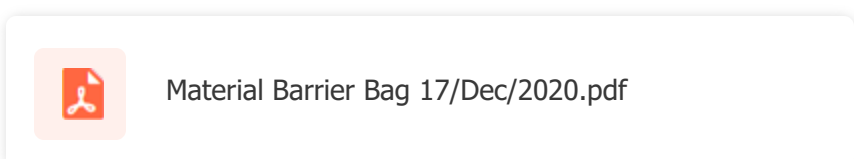
The three parts on the right have similar specifications to STMicroelectronics STM32L4R5ZGT6

Product Attribute				
Part Number	STM32L4R5ZGT6	STM32L4R5ZIT6	STM32L4P5ZGT6P	STM32L4R9ZIT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Program Memory Size	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)	2MB (2M x 8)
Package / Case	144-LQFP	144-LQFP	144-LQFP	144-LQFP
Number of I/O	115	115	115	112
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
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
Package	Tray	Tray	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM32L4R5	STM32L4R5	STM32L4P5	STM32L4R9
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
EEPROM Size	-	-	-	-
Series	STM32L4R	STM32L4R	STM32L4	STM32L4R
Supplier Device Package	144-LQFP (20x20)	144-LQFP (20x20)	144-LQFP (20x20)	144-LQFP (20x20)
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Speed	120MHz	120MHz	120MHz	120MHz
RAM Size	640K x 8	640K x 8	320K x 8	640K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG

### STM32L4R5ZGT6 Datasheet PDF

Download STM32L4R5ZGT6 pdf datasheets and STMicroelectronics documentation for STM32L4R5ZGT6 - STMicroelectronics.

#### PCN Packaging




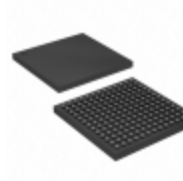


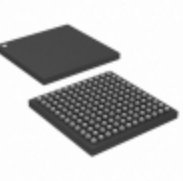
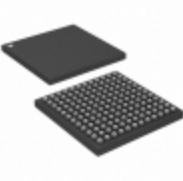


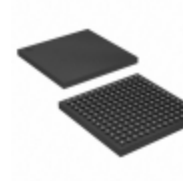
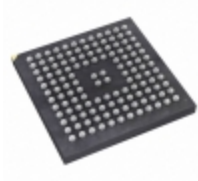
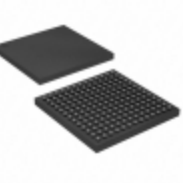
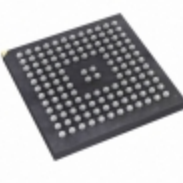



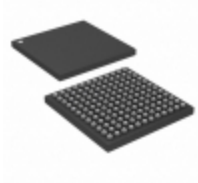


#### PCN Design/Specification

PCN Assembly/Origin

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Recommended Products

					
<b>STM32L4R5ZIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	<b>STM32L4P5ZGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4R9ZIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	<b>STM32L4R5AII6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 169UFBGA	<b>STM32L4Q5RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L4R5VIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 100LQFP
					
<b>STM32L4R9ZIY6PTR</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144WLCS	<b>STM32L4R9ZIY6TR</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144WLCS	<b>STM32L4R5VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L4P5VGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L4R9AII6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 169UFBGA	<b>STM32L4R5QII6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 132UFBGA
					
<b>STM32L4R9AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	<b>STM32L4R5QII6P</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 132UFBGA	<b>STM32L4S5ZIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	<b>STM32L4P5ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4P5VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L4R9ZIJ6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144UFBGA

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.

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