

Image may be representation.  
See specifications for product details.



## STM32F103RGT7

Manufacturer Part Number	<b>STM32F103RGT7</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F103RGT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 64LQFP
Package	64-LQFP
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32F103RGT7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103RGT7 datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32F103RGT7, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STM32F103RGT7 Tech Specifications

STM32F103RGT7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	51
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	96K 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®-M3
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32F103
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F103RGT7

Product Attribute				
Part Number	STM32F103RGT7	<b>STM32F103RET6</b>	<b>STM32F103RFT6TR</b>	<b>STM32F103REY6TR</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	64-LQFP (10x10)	-	64-LQFP (10x10)	64-WLCSP (4.47x4.4)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	64-LQFP	64-LQFP	64-LQFP	64-UFBGA, WLCSP
Number of I/O	51	51	51	51
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Series	STM32F1	STM32F1	STM32F1	STM32F1
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	72MHz	72MHz	72MHz	72MHz
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tray	Tray	Tape & Reel (TR)	Tape & Reel (TR)
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)	512KB (512K x 8)	768KB (768K x 8)	512KB (512K x 8)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Base Product Number	STM32F103	STM32F103	STM32F103	STM32F103
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
RAM Size	96K x 8	64K x 8	96K x 8	64K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### STM32F103RGT7 Datasheet PDF

Download STM32F103RGT7 pdf datasheets and STMicroelectronics documentation for STM32F103RGT7 - STMicroelectronics.

#### Datasheets

Cylindrical Battery Holders.pdf

#### PCN Packaging

2.73KHz.pdf

### PCN Assembly/Origin

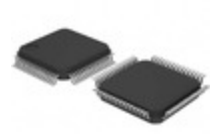
STM8/STM32 10/Mar/2020.pdf

### PCN Design/Specification

Cylindrical Battery Holders.pdf

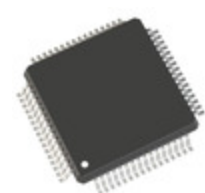
## Customers Also Interested in

### Recommended Products



#### STM32F103RET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32F103RFT6TR

STMicroelectronics  
IC MCU 32BIT 768KB FLASH 64LQFP



#### STM32F103REY6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64WLCSFP



#### STM32F103V8T6

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 100LQFP



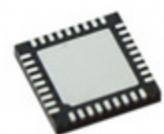
#### STM32F103RET6,32

STMicroelectronics



#### STM32F103RDY6TR

STMicroelectronics  
IC MCU 32BIT 384KB FLASH 64WLCSFP



#### STM32F103T8U6

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 36VFQFPN



#### STM32F103RET7

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



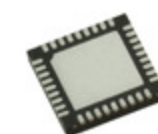
#### STM32F103T8U6TR

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 36VFQFPN



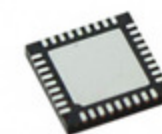
#### STM32F103RET6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



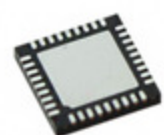
#### STM32F103T4U6A

STMicroelectronics  
IC MCU 32BIT 16KB FLASH 36VFQFPN



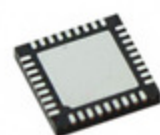
#### STM32F103T6U7A

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 36VFQFPN



#### STM32F103T6U6A

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 36VFQFPN



#### STM32F103T8U7

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 36VFQFPN



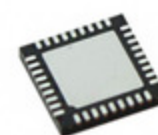
#### STM32F103RFT6

STMicroelectronics  
IC MCU 32BIT 768KB FLASH 64LQFP



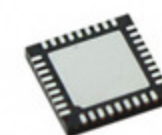
#### STM32F103RGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



#### STM32F103T8U7TR

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 36VFQFPN



#### STM32F103TBU6

STMicroelectronics  
IC MCU 32BIT 128KB FLSH 36VFQFPN

## 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 -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

### Certifications & Memberships



View More

