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See specifications for product details.



STM32F103ZGT6TR

Manufacturer Part Number	STM32F103ZGT6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F103ZGT6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F103ZGT6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103ZGT6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F103ZGT6TR Tech Specifications
STM32F103ZGT6TR - 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 ~ 85°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	112
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	96K x 8	Data Converters	A/D 21x12b; 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 ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	144-LQFP	Base Product Number	STM32F103
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F103ZGT6TR

Product Attribute				
Part Number	STM32F103ZGT6TR	STM32F105RCT6TR	STM32F103ZET7	STM32F105RBT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	1MB (1M x 8)	256KB (256K x 8)	512KB (512K x 8)	128KB (128K x 8)
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	96K x 8	64K x 8	64K x 8	64K x 8
Supplier Device Package	144-LQFP (20x20)	64-LQFP (10x10)	144-LQFP (20x20)	-
Series	STM32F1	STM32F1	STM32F1	STM32F1
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Data Converters	A/D 21x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	STM32F103	STM32F105	STM32F103	STM32F105
Number of I/O	112	51	112	51
Oscillator Type	Internal	Internal	Internal	Internal
Speed	72MHz	72MHz	72MHz	72MHz
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, POR, PWM, Voltage Detect, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, POR, PWM, Voltage Detect, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Package / Case	144-LQFP	64-LQFP	144-LQFP	64-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)

STM32F103ZGT6TR Datasheet PDF

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Datasheets

Cylindrical Battery Holders.pdf

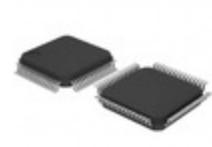
PCN Packaging

PCN Assembly/Origin

2.73KHz.pdf

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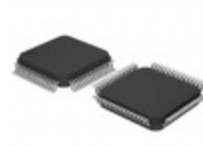
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STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32F103ZET7
STMicroelectronics
IC MCU 32BIT 512KB FLASH 144LQFP



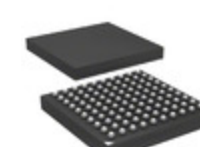
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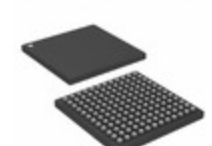
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STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F105V8T6
STMicroelectronics
IC MCU 32BIT 64KB FLASH 100LQFP



STM32F105VBH6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 100BGA



STM32F103ZGH6TR
STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LFBGA



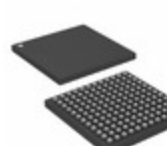
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STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP



STM32F105R8T6
STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP



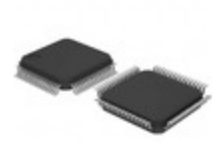
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IC MCU 32BIT 512KB FLASH 144LQFP



STM32F103ZGH6
STMicroelectronics
IC MCU 32BIT 1MB FLASH 144BGA



STM32F105RCT7
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



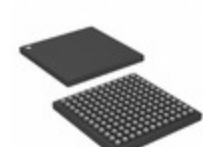
STM32F105RCT6
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32F103ZFT6
STMicroelectronics
IC MCU 32BIT 768KB FLASH 144LQFP



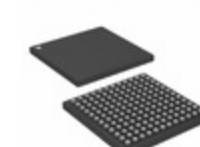
STM32F105RBT6TR
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IC MCU 32BIT 128KB FLASH 64LQFP



STM32F103ZFH6
STMicroelectronics
IC MCU 32BIT 768KB FLSSH 144LFBGA



STM32F103ZGT6
STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32F103ZFH6TR
STMicroelectronics
IC MCU 32BIT 768KB FLSSH 144LFBGA

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



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