



Image may be representation.
See specifications for product details.



STM32F207ZGT7

Manufacturer Part Number	STM32F207ZGT7
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F207ZGT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32 F2 Series Brochure.pdf STM32F205,207xx Datasheet.pdf
RoHs Status	ROHS3 Compliant

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STM32F207ZGT7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F207ZGT7 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F207ZGT7 Tech Specifications

STM32F207ZGT7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	114
Speed	120MHz	Mounting Type	Surface Mount
Series	STM32F2	EEPROM Size	-
RAM Size	132K x 8	Data Converters	A/D 24x12b; 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	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	CANbus, Ethernet, I ² C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG
Package / Case	144-LQFP	Base Product Number	STM32F207
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F207ZGT7

Product Attribute				
Part Number	STM32F207ZGT7	STM32F207VGT6TR	STM32F207ZGT6TR	STM32F215ZGT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Data Converters	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Base Product Number	STM32F207	STM32F207	STM32F207	STM32F215
Connectivity	CANbus, Ethernet, I ² C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, Ethernet, I ² C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, Ethernet, I ² C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG
RAM Size	132K x 8	132K x 8	132K x 8	132K x 8
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Supplier Device Package	144-LQFP (20x20)	100-LQFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)
Number of I/O	114	82	114	114
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	144-LQFP	100-LQFP	144-LQFP	144-LQFP
Speed	120MHz	120MHz	120MHz	120MHz
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM32F2	STM32F2	STM32F2	STM32F2

STM32F207ZGT7 Datasheet PDF

Download STM32F207ZGT7 pdf datasheets and STMicroelectronics documentation for STM32F207ZGT7 - STMicroelectronics.

Datasheets

STM32F205,207xx Datasheet.pdf

PCN Packaging

2.73KHz.pdf

HTML Datasheet

STM32 F2 Series Brochure.pdf

PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32F2yyy 16/Jul/2021.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products



STM32F207VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32F207ZGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32F215ZGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32F215ZET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 144LQFP



STM32F207ZFT6

STMicroelectronics
IC MCU 32BIT 768KB FLASH 144LQFP



STM32F215VGT7

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



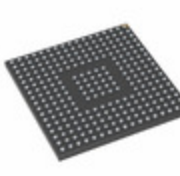
STM32F207ZGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32F207ZET6TR

STMicroelectronics
IC MCU 32BIT 512KB FLASH 144LQFP



STM32F217IGH6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 176UFPGA



STM32F215RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32F207ZFT6,32

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STM32F215VGT6

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IC MCU 32BIT 1MB FLASH 100LQFP



STM32F215RGT6

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IC MCU 32BIT 1MB FLASH 64LQFP



STM32F207ZCT6

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IC MCU 32BIT 256KB FLASH 144LQFP



STM32F215ZGT7TR

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IC MCU 32BIT 1MB FLASH 144LQFP



STM32F207VGT6

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IC MCU 32BIT 1MB FLASH 100LQFP



STM32F207ZET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 144LQFP



STM32F207VFT6

STMicroelectronics
IC MCU 32BIT 768KB 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 Alleco 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.



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+00852 9146 4856



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Certifications & Memberships



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