



Image may be representation.  
See specifications for product details.



## STM32F217ZGT6

Manufacturer Part Number	<b>STM32F217ZGT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F217ZGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	<a href="#">STM32 F2 Series Brochure.pdf</a> <a href="#">STM32F215xx, STM32F217xx.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

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STM32F217ZGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F217ZGT6 datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32F217ZGT6 Tech Specifications

STM32F217ZGT6 - 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 ~ 85°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, I²S, LCD, POR, PWM, WDT	Connectivity	CANbus, Ethernet, I²C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG
Package / Case	144-LQFP	Base Product Number	STM32F217
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F217ZGT6

Product Attribute				
Part Number	STM32F217ZGT6	STM32F217VET6	STM32F217VGT6	STM32F301K8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 8x12b; D/A 1x12b
RAM Size	132K x 8	132K x 8	132K x 8	16K x 8
Base Product Number	STM32F217	STM32F217	STM32F217	STM32F301
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	2V ~ 3.6V
EEPROM Size	-	-	-	-
Supplier Device Package	144-LQFP (20x20)	100-LQFP (14x14)	100-LQFP (14x14)	32-LQFP (7x7)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	1MB (1M x 8)	512KB (512K x 8)	1MB (1M x 8)	64KB (64K x 8)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M4
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Connectivity	CANbus, Ethernet, I²C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, Ethernet, I²C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	CANbus, Ethernet, I²C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, SPI, UART/USART
Speed	120MHz	120MHz	120MHz	72MHz
Number of I/O	114	82	82	25
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM32F2	STM32F2	STM32F2	STM32F3
Package	Tray	Tray	Tray	Tray
Package / Case	144-LQFP	100-LQFP	100-LQFP	32-LQFP

### STM32F217ZGT6 Datasheet PDF

Download STM32F217ZGT6 pdf datasheets and STMicroelectronics documentation for STM32F217ZGT6 - STMicroelectronics.

#### Datasheets

[STM32 F2 Series Brochure.pdf](#)

#### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

Box Label Chg 28/Jul/2016.pdf

### PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32F2yyy 16/Jul/2021.pdf

### HTML Datasheet

STM32F215xx, STM32F217xx.pdf

### PCN Assembly/Origin

Mult Dev Assembly Source Add 5/Mar/2019.pdf

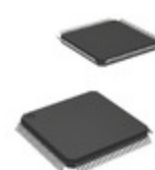
## Customers Also Interested in

### Recommended Products



#### STM32F217VET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 100LQFP



#### STM32F217VGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



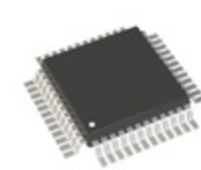
#### STM32F301K8T6

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 32LQFP



#### STM32F215ZGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



#### STM32F301K6T6TR

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#### STM32F215ZGT7TR

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IC MCU 32BIT 1MB FLASH 144LQFP



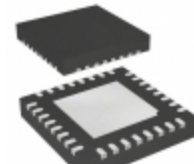
#### STM32F301K6T6

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 32LQFP



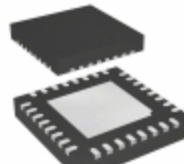
#### STM32F301C8T7

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 48LQFP



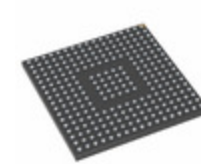
#### STM32F301K6U6

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 32UFQFPN



#### STM32F301K6U6TR

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 32UFQFPN



#### STM32F217IGH6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 176UFBGA



#### STM32F217ZET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 144LQFP



#### STM32F301C8Y6TR

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 49WLQSP



#### STM32F217VGT6TR

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



#### STM32F301C8T6TR

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 48LQFP



#### STM32F217IGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 176LQFP



#### STM32F301C6T6

STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48LQFP

#### STM32F301C8T6

STMicroelectronics  
IC MCU 32BIT 64KB FLASH 48LQFP

## 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.



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