



Image may be representation.  
See specifications for product details.



## STM32F101VGT6

Manufacturer Part Number	<b>STM32F101VGT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F101VGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	<b>STM32F101xF/G Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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STM32F101VGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F101VGT6 datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32F101VGT6 Tech Specifications

STM32F101VGT6 - 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	100-LQFP (14x14)	Number of I/O	80
Speed	36MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	80K 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, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	STM32F101
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101VGT6

Product Attribute				
Part Number	STM32F101VGT6	<b>STM32F101TBU6</b>	<b>STM32F101VCT6TR</b>	<b>STM32F102C4T6A</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F1	STM32F1	STM32F1	STM32F1
Package / Case	100-LQFP	36-VFQFN Exposed Pad	100-LQFP	48-LQFP
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 16x12b; D/A 2x12b	A/D 10x12b	A/D 16x12b; D/A 2x12b	A/D 10x12b
Supplier Device Package	100-LQFP (14x14)	36-VFQFPN (6x6)	100-LQFP (14x14)	-
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT
Package	Tray	Tray	Tape & Reel (TR)	Tray
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)	128KB (128K x 8)	256KB (256K x 8)	16KB (16K x 8)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	80	26	80	37
RAM Size	80K x 8	16K x 8	32K x 8	4K x 8
Base Product Number	STM32F101	STM32F101	STM32F101	STM32F102
EEPROM Size	-	-	-	-
Speed	36MHz	36MHz	36MHz	48MHz

### STM32F101VGT6 Datasheet PDF

Download STM32F101VGT6 pdf datasheets and STMicroelectronics documentation for STM32F101VGT6 - STMicroelectronics.

#### PCN Packaging

2.73KHz.pdf

#### PCN Assembly/Origin

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 Mult Dev 03/Nov/2022.pdf

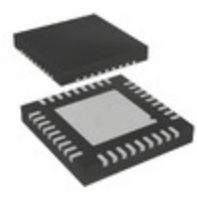

















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HTML Datasheet

 STM32F101xF/G Datasheet.pdf

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<b>STM32F102C6T6A</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32F101ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32F101ZCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 144LQFP	<b>STM32F101VCT6,32</b> STMicroelectronics	<b>STM32F101V8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	<b>STM32F102C8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP
					
<b>STM32F102C6T6ATR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32F101ZET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP	<b>STM32F101ZDT6</b> STMicroelectronics IC MCU 32BIT 384KB FLASH 144LQFP	<b>STM32F101VET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	<b>STM32F101VFT6</b> STMicroelectronics IC MCU 32BIT 768KB FLASH 100LQFP	<b>STM32F101VDT6</b> STMicroelectronics IC MCU 32BIT 384KB FLASH 100LQFP

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**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.

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  - > 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.  
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