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See specifications for product details.



STM32F101RGT6

Manufacturer Part Number	STM32F101RGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F101RGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F101xF/G Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F101RGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F101RGT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F101RGT6 Tech Specifications

STM32F101RGT6 - 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	64-LQFP (10x10)	Number of I/O	51
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	64-LQFP	Base Product Number	STM32F101
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101RGT6

Product Attribute				
Part Number	STM32F101RGT6	STM32F101RET6	STM32F101RCT6TR	STM32F101RDT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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)
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
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Base Product Number	STM32F101	STM32F101	STM32F101	STM32F101
Speed	36MHz	36MHz	36MHz	36MHz
RAM Size	80K x 8	48K x 8	32K x 8	48K x 8
Program Memory Size	1MB (1M x 8)	512KB (512K x 8)	256KB (256K x 8)	384KB (384K x 8)
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
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Number of I/O	51	51	51	51
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	64-LQFP	64-LQFP	64-LQFP	64-LQFP
Series	STM32F1	STM32F1	STM32F1	STM32F1
EEPROM Size	-	-	-	-

STM32F101RGT6 Datasheet PDF

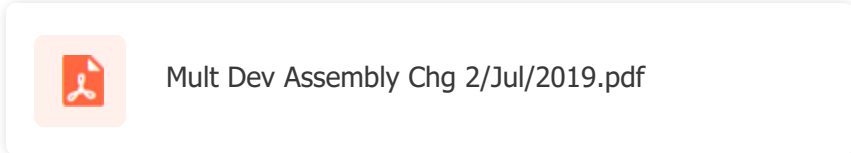
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PCN Packaging

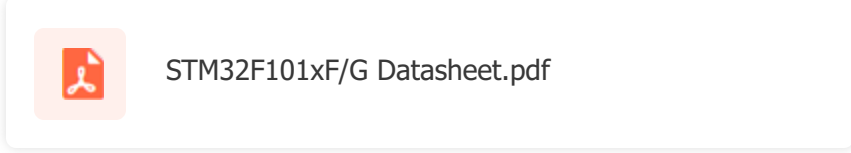
Material Barrier Bag 17/Dec/2020.pdf

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Customers Also Interested in

Recommended Products

STM32F101RET6
STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP

STM32F101RCT6TR
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP

STM32F101RCT6,32
STMicroelectronics

STM32F101RDT6
STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP

STM32F101RBT6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP

STM32F101T4U6A
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IC MCU 32BIT 16KB FLASH 36VQFPN

STM32F101RFT6
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IC MCU 32BIT 128KB FLASH 100LQFP

STM32F101T6U6
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IC MCU 32BIT 32KB FLASH 36VQFPN

STM32F101T6U6A
STMicroelectronics
IC MCU 32BIT 32KB FLASH 36VQFPN

STM32F101RGT6TR
STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP

STM32F101T8U6
STMicroelectronics
IC MCU 32BIT 64KB FLASH 36VQFPN

STM32F101V8T6
STMicroelectronics
IC MCU 32BIT 64KB FLASH 100LQFP

STM32F101RET6TR
STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP

STM32F101RCT6
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IC MCU 32BIT 256KB FLASH 64LQFP

STM32F101RBT6TR
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP

STM32F101RDT6TR
STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP

STM32F101T8U6
STMicroelectronics
IC MCU 32BIT 128KB FLSH 36VQFPN

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.



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