



Image may be representation.
See specifications for product details.



STM32F405RGT6

Manufacturer Part Number	STM32F405RGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F405RGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F405RGT6.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F405RGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F405RGT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F405RGT6 Tech Specifications

STM32F405RGT6 - 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	64-LQFP (10x10)	Number of I/O	51
Speed	168MHz	Mounting Type	Surface Mount
Series	STM32F4	EEPROM Size	-
RAM Size	192K 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®-M4
Peripherals	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG
Package / Case	64-LQFP	Base Product Number	STM32F405
Package	Tray		

Parts with Similar Specifications

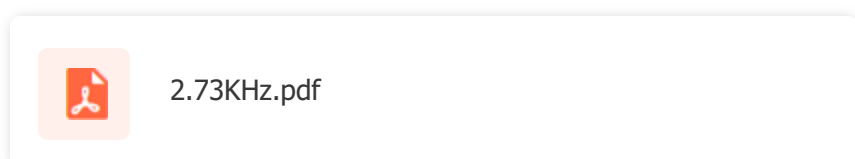
The three parts on the right have similar specifications to STMicroelectronics STM32F405RGT6

Product Attribute				
Part Number	STM32F405RGT6	STM32F401VCT6	STM32F405VGT7	STM32F405OEV6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	1MB (1M x 8)	256KB (256K x 8)	1MB (1M x 8)	512KB (512K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b	A/D 16x12b; D/A 2x12b	A/D 13x12b; D/A 2x12b
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	100-LQFP (14x14)	90-WLCSP (4.22x3.97)
EEPROM Size	-	-	-	-
Number of I/O	51	81	82	72
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, SDIO, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG
Peripherals	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT
Base Product Number	STM32F405	STM32F401	STM32F405	STM32F405
Package / Case	64-LQFP	100-LQFP	100-LQFP	90-UFBGA, WLCSP
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.7V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM32F4	STM32F4	STM32F4	STM32F4
Package	Tray	Tray	Tray	Tape & Reel (TR)
RAM Size	192K x 8	64K x 8	192K x 8	192K x 8
Speed	168MHz	84MHz	168MHz	168MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

STM32F405RGT6 Datasheet PDF

Download STM32F405RGT6 pdf datasheets and STMicroelectronics documentation for STM32F405RGT6 - STMicroelectronics.

PCN Packaging








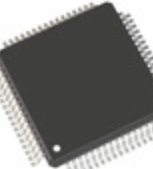









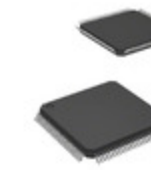


PCN Design/Specification

PCN Assembly/Origin

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Recommended Products

					
STM32F401VCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	STM32F405VGT7 STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	STM32F402RCT6 STM	STM32F405RGT7,32 STMicroelectronics	STM32F405OEY6TR STMicroelectronics IC MCU 32BIT 512KB FLASH 90WLCSP	STM32F405OGY6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 90WLCSP
					
STM32F405RGT7TR STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32F405RGT6W STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32F401VET6TR STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32F405VGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	STM32F405RGT6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32F405VGT6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP
					
STM32F405RGT7 STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32F401VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32F401VCH6 STMicroelectronics IC MCU 32BIT 256KB FLSh 100UFBGA	STM32F402VCT6 STMicroelectronics	STM32F405VGT7,32 STMicroelectronics	STM32F401VDT6 STMicroelectronics IC MCU 32BIT 384KB 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 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.

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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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Contact us if you have any questions.

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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com