




STM32F767BGT6

Manufacturer Part Number	STM32F767BGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F767BGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 208LQFP
Package	208-LQFP
Data sheet	STM32F765xx,767xx, 768Ax, 769xx.pdf
RoHs Status	ROHS3 Compliant


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Specifications

STM32F767BGT6 Tech Specifications
STM32F767BGT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	208-LQFP (28x28)	Number of I/O	159
Speed	216MHz	Mounting Type	Surface Mount
Series	STM32F7	EEPROM Size	-
RAM Size	512K 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®-M7
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG
Package / Case	208-LQFP	Base Product Number	STM32F767
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F767BGT6

Product Attribute				
Part Number	STM32F767BGT6	STM32F767NIH6	STM32F765NGH6	STM32F767BIT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	216MHz	216MHz	216MHz	216MHz
Base Product Number	STM32F767	STM32F767	STM32F765	STM32F767
Supplier Device Package	208-LQFP (28x28)	216-TFBGA (13x13)	216-TFBGA (13x13)	208-LQFP (28x28)
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7
Package / Case	208-LQFP	216-TFBGA	216-TFBGA	208-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	512K x 8	512K x 8	512K x 8	512K x 8
Program Memory Size	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)	2MB (2M x 8)
Data Converters	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	159	168	168	159
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Series	STM32F7	STM32F7	STM32F7	STM32F7
Package	Tray	Tray	Tray	Tray

STM32F767BGT6 Datasheet PDF

Download STM32F767BGT6 pdf datasheets and STMicroelectronics documentation for STM32F767BGT6 - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

STM32F4/STM32F7 10/Feb/2019.pdf

HTML Datasheet

STM32F765xx,767xx, 768Ax, 769xx.pdf

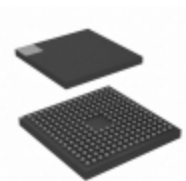
PCN Design/Specification

STM32F7x 03/Apr/2017.pdf

STM32F7x 17/Nov/2016.pdf

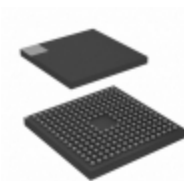
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Recommended Products



STM32F767NIH6

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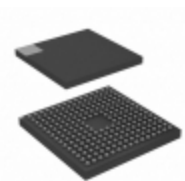
STM32F765NGH6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 216TFBGA



STM32F767BIT6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 208LQFP



STM32F767NGH6

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IC MCU 32BIT 1MB FLASH 216TFBGA



STM32F765ZIT6

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IC MCU 32BIT 2MB FLASH 144LQFP



STM32F767IIT6

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IC MCU 32BIT 2MB FLASH 176LQFP



STM32F767ZGT6

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IC MCU 32BIT 1MB FLASH 144LQFP



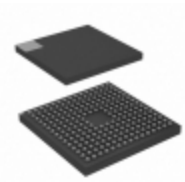
STM32F765VIT6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 100LQFP



STM32F767VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



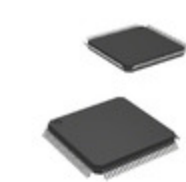
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STMicroelectronics
IC MCU 32BIT 2MB FLASH 216TFBGA



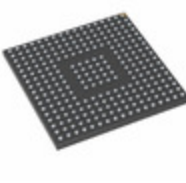
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STMicroelectronics
IC MCU 32BIT 2MB FLASH 100LQFP



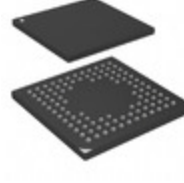
STM32F765VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



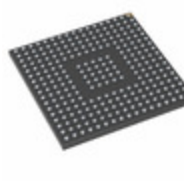
STM32F767IIK6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 176UFBGA



STM32F765VIH6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 100TFBGA



STM32F767IGK6

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IC MCU 32BIT 1MB FLASH 176UFBGA



STM32F765ZGT7

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STM32F765ZGT6

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IC MCU 32BIT 1MB FLASH 144LQFP



STM32F767IGT6

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IC MCU 32BIT 1MB FLASH 176LQFP

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.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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