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See specifications for product details.



STM32F765ZGT6

Manufacturer Part Number	STM32F765ZGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F765ZGT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32F765xx,767xx, 768Ax, 769xx.pdf
RoHs Status	ROHS3 Compliant

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STM32F765ZGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F765ZGT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F765ZGT6 Tech Specifications

STM32F765ZGT6 - 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	144-LQFP (20x20)	Number of I/O	114
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, 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	144-LQFP	Base Product Number	STM32F765
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F765ZGT6

Product Attribute				
Part Number	STM32F765ZGT6	STM32F765IIT7	STM32F765VGT6	STM32F765ZIT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
Package / Case	144-LQFP	176-LQFP	100-LQFP	144-LQFP
Package	Tray	Tray	Tray	Tray
Data Converters	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)	2MB (2M x 8)
Supplier Device Package	144-LQFP (20x20)	176-LQFP (24x24)	100-LQFP (14x14)	144-LQFP (20x20)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Number of I/O	114	140	82	114
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM32F765	STM32F765	STM32F765	STM32F765
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7
Speed	216MHz	216MHz	216MHz	216MHz
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
Series	STM32F7	STM32F7	STM32F7	STM32F7
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	512K x 8	512K x 8	512K x 8	512K x 8

STM32F765ZGT6 Datasheet PDF

Download STM32F765ZGT6 pdf datasheets and STMicroelectronics documentation for STM32F765ZGT6 - STMicroelectronics.

PCN Packaging

2.73KHz.pdf

PCN Design/Specification

HTML Datasheet




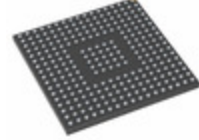

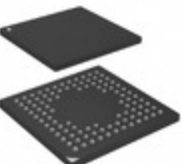


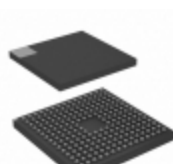
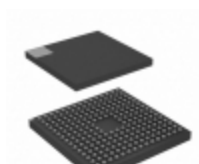


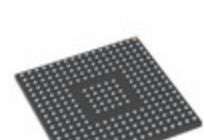
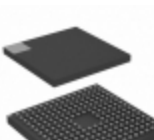


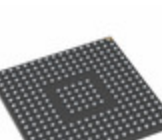
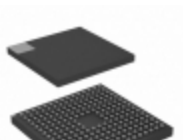
STM32F765xx,767xx, 768Ax, 769xx.pdf

PCN Assembly/Origin

2.73KHz.pdf

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STM32F767BGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 208LQFP	STM32F756ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32F765NGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 216TFBGA	STM32F767NIH6 STMicroelectronics IC MCU 32BIT 2MB FLASH 216TFBGA	STM32F767BIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 208LQFP	STM32F767IGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 176LQFP
					
STM32F765IGK6 STMicroelectronics IC MCU 32BIT 1MB FLASH 176UFBGA	STM32F765NIH6TR STMicroelectronics IC MCU 32BIT 2MB FLASH 216TFBGA	STM32F765VIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 100LQFP	STM32F767IIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP	STM32F767IIK6 STMicroelectronics IC MCU 32BIT 2MB FLASH 176UFBGA	STM32F767NGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 216TFBGA

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

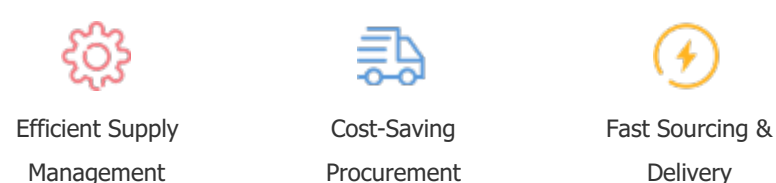
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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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