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See specifications for product details.



STM32H723VGT6

Manufacturer Part Number	STM32H723VGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32H723VGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32H723 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32H723VGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32H723VGT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32H723VGT6 Tech Specifications

STM32H723VGT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	80
Speed	550MHz	Mounting Type	Surface Mount
Series	STM32H7	EEPROM Size	-
RAM Size	564K x 8	Data Converters	A/D 12x12/b, 18x16b; 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, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG
Package / Case	100-LQFP	Base Product Number	STM32H723
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32H723VGT6

Product Attribute				
Part Number	STM32H723VGT6	STM32G491KEU6	STM32H730ZBT6	STM32G491VET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, I ² C, IrDA, IRTIM, LINbus, SAI, SPI, UART/USART, USB	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, I ² C, IrDA, IRTIM, LINbus, SAI, SPI, UART/USART, USB
Program Memory Size	1MB (1M x 8)	512KB (512K x 8)	128KB (128K x 8)	512KB (512K x 8)
Base Product Number	STM32H723	STM32G491	STM32H730	STM32G491
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Package / Case	100-LQFP	32-UFQFN Exposed Pad	144-LQFP	100-LQFP
Peripherals	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	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
Supplier Device Package	100-LQFP (14x14)	32-UFQFPN (5x5)	144-LQFP (20x20)	100-LQFP (14x14)
Data Converters	A/D 12x12/b, 18x16b; D/A 2x12b	A/D 11x12b; D/A 4x12b	A/D 12x12/b, 22x16b; D/A 2x12b	A/D 36x12b; D/A 4x12b
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M4F	ARM® Cortex®-M7	ARM® Cortex®-M4F
Package	Tray	Tray	Tray	Tray
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	80	26	112	86
Speed	550MHz	170MHz	550MHz	170MHz
RAM Size	564K x 8	112K x 8	564K x 8	112K x 8
Series	STM32H7	STM32G4	STM32H7	STM32G4

STM32H723VGT6 Datasheet PDF

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Datasheets

STM32H723 Datasheet.pdf

PCN Packaging

PCN Packaging

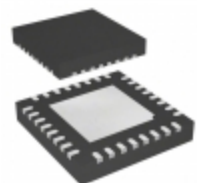









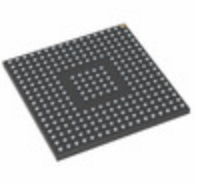






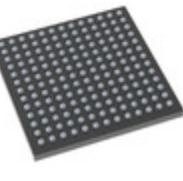
PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

STM32H 31-Mar-2022.pdf

Customers Also Interested in

Recommended Products

					
STM32G491KEU6 STMicroelectronics IC MCU 32BIT 512KB FLSH 32UFQFPN	STM32H730ZBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 144LQFP	STM32G491VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32H725VGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	STM32H725ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32H730VBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP
					
STM32H725REV6 STMicroelectronics CONTROLLER / PROCESSOR	STM32H723VEH6 STMicroelectronics CONTROLLER / PROCESSOR	STM32H723ZET6 STMicroelectronics CONTROLLER / PROCESSOR	STM32G491RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	STM32H725IGK6 STMicroelectronics IC MCU 32BIT 1MB FLASH 176UFBGA	STM32G491CET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 48LQFP
					
STM32G491VCT6 STMicroelectronics CONTROLLER / PROCESSOR	STM32H723ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32H723VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32H723VGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 100TFBGA	STM32G491MET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 80LQFP	STM32H725AGI6 STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA

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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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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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