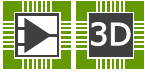





# STM32H750VBT6

Manufacturer Part Number	<b>STM32H750VBT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32H750VBT6
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	<a href="#">STM32F7 &amp; STM32H7 Programming Manual.pdf</a> <a href="#">STM32H750xB Datasheet.pdf</a>
RoHS Status	 ROHS3 Compliant



**Get a Quote**

STM32H750VBT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32H750VBT6 datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32H750VBT6, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications



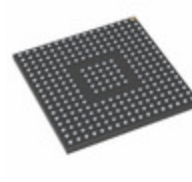

STM32H750VBT6 Tech Specifications

STM32H750VBT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	82
Speed	480MHz	Mounting Type	Surface Mount
Series	STM32H7	EEPROM Size	-
RAM Size	1M x 8	Data Converters	A/D 36x16b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M7
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG
Package / Case	100-LQFP	Base Product Number	STM32H750
Package	Tray		

## Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STM32H750VBT6

Product Attribute				
Part Number	STM32H750VBT6	<a href="#">STM32H745ZGT6</a>	<a href="#">STM32H753IIT6</a>	<a href="#">STM32H753IIT6</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	176+25UFBGA (10x10)	176-LQFP (24x24)
Speed	480MHz	240MHz, 480MHz	480MHz	480MHz
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT
Base Product Number	STM32H750	STM32H745	STM32H753	STM32H753
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	1M x 8	1M x 8	1M x 8	1M x 8
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Series	STM32H7	STM32H7	STM32H7	STM32H7
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Dual-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-LQFP	144-LQFP	201-UFBGA	176-LQFP
Data Converters	A/D 36x16b; D/A 2x12b	A/D 23x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b
Program Memory Size	128KB (128K x 8)	1MB (1M x 8)	2MB (2M x 8)	2MB (2M x 8)
Package	Tray	Tray	Tray	Tray
Number of I/O	82	97	140	140
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M4/M7	ARM® Cortex®-M7	ARM® Cortex®-M7

## STM32H750VBT6 Datasheet PDF

Download STM32H750VBT6 pdf datasheets and STMicroelectronics documentation for STM32H750VBT6 - STMicroelectronics.

### Datasheets


STM32H750xB Datasheet.pdf

### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

### PCN Design/Specification

STM32Hx 28/Jun/2022.pdf

STM32H7y Datasheet Chg 25/Jul/2018.pdf

### HTML Datasheet

STM32F7 & STM32H7 Programming Manual.pdf

### Errata

STM32H750xB & STM32H753xI Errata.pdf

### PCN Assembly/Origin

STM32H743, STM32H753 & STM32H750 07/Apr/2019.pdf

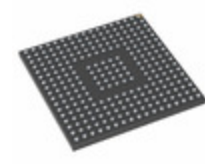
## Customers Also Interested in

### Recommended Products



**STM32H745ZGT6**

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



**STM32H753IIK6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 176UFBGA



**STM32H753IIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 176LQFP



**STM32H745BIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 208LQFP



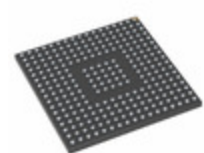
**STM32H750ZBT6**

STMicroelectronics  
IC MCU 32BIT 128KB FLASH 144LQFP



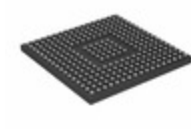
**STM32H750IBT6**

STMicroelectronics  
IC MCU 32BIT 128KB FLASH 176LQFP



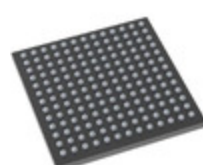
**STM32H750IBK6**

STMicroelectronics  
IC MCU 32BIT 128KB FLSH 176UFBGA



**STM32H753XIH6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH TFBGA



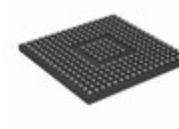
**STM32H747AI16**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 169UFBGA



**STM32H745ZIT3**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 144LQFP



**STM32H750XBH6**

STMicroelectronics  
IC MCU 32BIT 128KB FLASH TFBGA



**STM32H745IIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 176LQFP



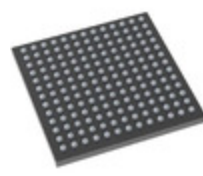
**STM32H745ZIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 144LQFP



**STM32H750VBT6TR**

STMicroelectronics  
IC MCU 32BIT 128KB FLASH 100LQFP



**STM32H753AI16**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 169UFBGA



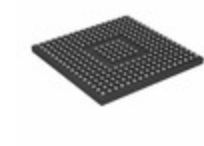
**STM32H755IIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 176LQFP



**STM32H753ZIT6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH 144LQFP



**STM32H747XIH6**

STMicroelectronics  
IC MCU 32BIT 2MB FLASH TFBGA

## 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:  
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- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
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- Email  
info@allelco.com

### Certifications & Memberships





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