

Image may be representation.  
See specifications for product details.



## STM32H755XIH6

Manufacturer Part Number	<b>STM32H755XIH6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32H755XIH6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 2MB FLASH TFBGA
Package	265-TFBGA
Data sheet	<b>STM32H755xI Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32H755XIH6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32H755XIH6 datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32H755XIH6, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STM32H755XIH6 Tech Specifications

STM32H755XIH6 - 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	240+25-TFBGA (14x14)	Number of I/O	168
Speed	240MHz, 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 Dual-Core
Program Memory Size	2MB (2M x 8)	Core Processor	ARM® Cortex®-M4/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	265-TFBGA	Base Product Number	STM32H755
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32H755XIH6

Product Attribute				
Part Number	STM32H755XIH6	STM32H750ZBT6	STM32H753XIH6	STM32H753AI16
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	240MHz, 480MHz	480MHz	480MHz	480MHz
Package / Case	265-TFBGA	144-LQFP	265-TFBGA	169-UFBGA
Program Memory Size	2MB (2M x 8)	128KB (128K x 8)	2MB (2M x 8)	2MB (2M x 8)
RAM Size	1M x 8	1M x 8	1M x 8	1M x 8
Core Processor	ARM® Cortex®-M4/M7	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7
Number of I/O	168	114	168	131
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM32H755	STM32H750	STM32H753	STM32H753
Data Converters	A/D 36x16b; D/A 2x12b	A/D 28x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b
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
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	240+25-TFBGA (14x14)	144-LQFP (20x20)	240+25-TFBGA (14x14)	169-UFBGA (7x7)
Series	STM32H7	STM32H7	STM32H7	STM32H7
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Dual-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
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
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH

### STM32H755XIH6 Datasheet PDF

Download STM32H755XIH6 pdf datasheets and STMicroelectronics documentation for STM32H755XIH6 - STMicroelectronics.

#### Datasheets

[STM32H755xI Datasheet.pdf](#)

#### PCN Packaging

## PCN Design/Specification


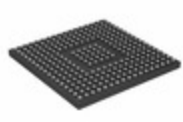
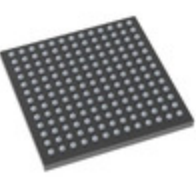


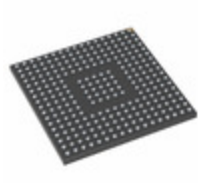



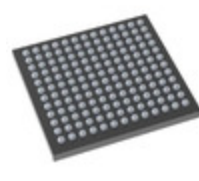


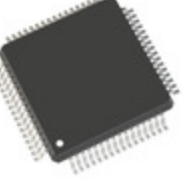



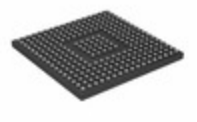

STM32Hx 28/Jun/2022.pdf

## PCN Assembly/Origin

STM32H7yyy 11/Sep/2020.pdf

## Customers Also Interested in

### Recommended Products

					
<b>STM32H750ZBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 144LQFP	<b>STM32H753XIH6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH TFBGA	<b>STM32H753AII6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 169UFBGA	<b>STM32L010F4P6</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	<b>STM32H7A3VIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 100LQFP	<b>STM32H753IIK6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 176UFBGA
					
<b>STM32H7A3ZIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	<b>STM32H753ZIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	<b>STM32H753IIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP	<b>STM32H757ZII6TR</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 156WLCSP	<b>STM32H755IIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP	<b>STM32H7B0VBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP
					
<b>STM32H7A3RIT6</b> STMicroelectronics IC MCU 32BIT 2MB FLASH 64LQFP	<b>STM32H750VBT6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	<b>STM32H7A3VGT6</b> STMicroelectronics CONTROLLER / PROCESSOR	<b>STM32L010C6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32H750XBH6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH TFBGA	<b>STM32L010C6T6TR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP

## 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



View More

