

Image may be representation.
See specifications for product details.



STM32H743IIK6

Manufacturer Part Number	STM32H743IIK6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32H743IIK6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 2MB FLASH 176UFBGA
Package	201-UFBGA
Data sheet	STM32H743xI Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32H743IIK6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32H743IIK6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32H743IIK6, please send us email: info@allelco.com

Specifications

STM32H743IIK6 Tech Specifications
STM32H743IIK6 - 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	176+25UFBGA (10x10)	Number of I/O	140
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	2MB (2M 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	201-UFBGA	Base Product Number	STM32H743
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32H743IIK6

Product Attribute				
Part Number	STM32H743IIK6	STM32H742ZGT6	STM32H743XIH6	STM32H743IGT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tray	Tray	Tray	Tray
Data Converters	A/D 36x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b	A/D 36x16b; D/A 2x12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7
EEPROM Size	-	-	-	-
Package / Case	201-UFBGA	144-LQFP	265-TFBGA	176-LQFP
Supplier Device Package	176+25UFBGA (10x10)	144-LQFP (20x20)	240+25-TFBGA (14x14)	176-LQFP (24x24)
Speed	480MHz	480MHz	480MHz	480MHz
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, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Program Memory Size	2MB (2M x 8)	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Series	STM32H7	STM32H7	STM32H7	STM32H7
Number of I/O	140	114	168	140
Base Product Number	STM32H743	STM32H742	STM32H743	STM32H743
RAM Size	1M x 8	688K x 8	1M x 8	1M x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, MDIO, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, SWPMI, UART/USART, USB OTG
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

STM32H743IIK6 Datasheet PDF

Download STM32H743IIK6 pdf datasheets and STMicroelectronics documentation for STM32H743IIK6 - STMicroelectronics.

Datasheets

STM32H743xI Datasheet.pdf

PCN Packaging

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification

STM32Hx 28/Jun/2022.pdf

STM32H7y Datasheet Chg 25/Jul/2018.pdf

PCN Assembly/Origin

Enhanced Traceability 31/May/2021.pdf

Errata

STM32H743xI Errata.pdf

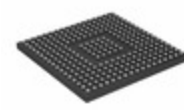
Customers Also Interested in

Recommended Products



STM32H742ZGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32H743XIH6

STMicroelectronics
IC MCU 32BIT 2MB FLASH TFBGA



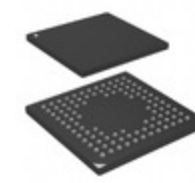
STM32H743IGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 176LQFP



STM32H743VIT6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 100LQFP



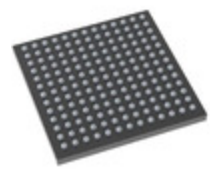
STM32H743VIH6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 100TFBGA



STM32H743VIT6,32

STMicroelectronics



STM32H743AII6TR

STMicroelectronics
IC MCU 32BIT 2MB FLASH 169UFBGA



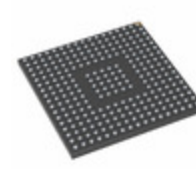
STM32H743VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32H743IIT6,32

STMicroelectronics



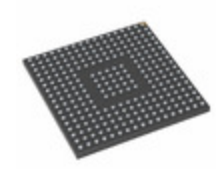
STM32H743IIK6TR

STMicroelectronics
IC MCU 32BIT 2MB FLASH 176UFBGA



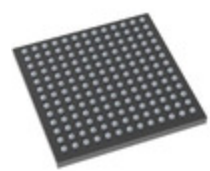
STM32H735IGK3

STMicroelectronics
CONTROLLER / PROCESSOR



STM32H742IGK6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 176UFBGA



STM32H743AII6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 169UFBGA



STM32H742VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32H735IGT6

STMicroelectronics
CONTROLLER / PROCESSOR



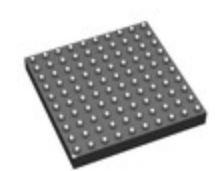
STM32H743BIT6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 208LQFP



STM32H743IIT6

STMicroelectronics
IC MCU 32BIT 2MB FLASH 176LQFP



STM32H743VIH6TR

STMicroelectronics
IC MCU 32BIT 2MB FLASH 100TFBGA

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

