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See specifications for product details.



STM32F777VIH6

Manufacturer Part Number	STM32F777VIH6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F777VIH6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 2MB FLASH 100TFBGA
Package	100-TFBGA
Data sheet	STM32F777VIH6.pdf
RoHs Status	ROHS3 Compliant

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STM32F777VIH6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F777VIH6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F777VIH6 Tech Specifications

STM32F777VIH6 - 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	100-TFBGA (8x8)	Number of I/O	82
Speed	216MHz	Mounting Type	Surface Mount
Series	STM32F7	EEPROM Size	-
RAM Size	512K x 8	Data Converters	A/D 16x12b; 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, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG
Package / Case	100-TFBGA	Base Product Number	STM32F777
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F777VIH6

Product Attribute				
Part Number	STM32F777VIH6	STM32F777NIH6TR	STM32F777IIK6	STM32G030C6T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 19x12b
Core Processor	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M7	ARM® Cortex®-M0+
Speed	216MHz	216MHz	216MHz	64MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)	32KB (32K x 8)
Number of I/O	82	159	132	44
Series	STM32F7	STM32F7	STM32F7	STM32G0
Package	Tray	Tape & Reel (TR)	Tray	Tray
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	I ² C, IrDA, LINbus, SPI, UART/USART
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32F777	STM32F777	STM32F777	STM32G030
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	512K x 8	512K x 8	512K x 8	8K x 8
Supplier Device Package	100-TFBGA (8x8)	216-TFBGA (13x13)	176+25UFBGA (10x10)	48-LQFP (7x7)
Package / Case	100-TFBGA	216-TFBGA	201-UFBGA	48-LQFP
EEPROM Size	-	-	-	-
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	DMA, I ² S, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	2V ~ 3.6V

STM32F777VIH6 Datasheet PDF

Download STM32F777VIH6 pdf datasheets and STMicroelectronics documentation for STM32F777VIH6 - STMicroelectronics.

PCN Packaging

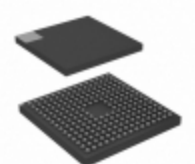
Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

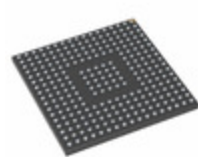


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IC MCU 32BIT 2MB FLASH 216TFBGA**STM32FEBKC6T6**

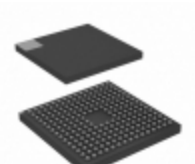
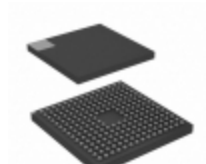
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**STM32F777IHK6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 176UFBGA**STM32FEBKC6T6A**

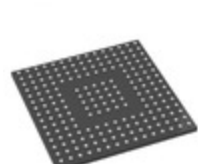
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**STM32G030C6T6**STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP**STM32F779BIT6,32**

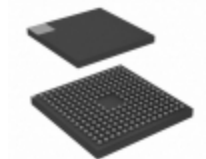
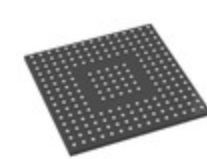
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**STM32F779NIH6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 216TFBGA**STM32F769NIH6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 216TFBGA**STM32F777IHK6,32**

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**STM32F769BIT6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 208LQFP**STM32F769AIY6TR**STMicroelectronics
IC MCU 32BIT 2MB FLASH 180WLCSP**STM32FEBKC6T6,32**

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**STM32F769BGT6**STMicroelectronics
IC MCU 32BIT 1MB FLASH 208LQFP**STM32F777NIH6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 216TFBGA**STM32F767ZIT6**STMicroelectronics
IC MCU 32BIT 2MB FLASH 144LQFP**STM32G030C6T6TR**STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP**STM32F767ZGT6**STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP**STM32F779AIY6TR**STMicroelectronics
IC MCU 32BIT 2MB FLASH 180WLCSP

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

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Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Certifications & Memberships



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