STM32F071V8T6

Manufacturer Part Number	STM32F071V8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F071V8T6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32F071x8, STM32F071xB.pdf
	STM32F0zzz Programming Manual.pdf
RoHS Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM32F071V8T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F071V8T6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F071V8T6 Tech Specifications
STM32F071V8T6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40℃ ~ 85℃ (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	87
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 19x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, I²S, POR, PWM, WDT	Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	STM32F071
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F071V8T6

Product Attribute				
Part Number	STM32F071V8T6	STM32F071V8T7TR	STM32F072C8T6	STM32F071VBT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F0	STM32F0	STM32F0	STM32F0
Operating Temperature	-40℃ ~ 85℃ (TA)	-40℃ ~ 105℃ (TA)	-40℃ ~ 85℃ (TA)	-40℃ ~ 85℃ (TA)
Package / Case	100-LQFP	100-LQFP	48-LQFP	100-LQFP
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)	128KB (128K x 8)
RAM Size	16K x 8	16K x 8	16K x 8	16K x 8
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0
Number of I/O	87	87	37	87
EEPROM Size	-	-	-	-
Speed	48MHz	48MHz	48MHz	48MHz
Connectivity	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB	HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART
Base Product Number	STM32F071	STM32F071	STM32F072	STM32F071
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 19x12b; D/A 2x12b	A/D 19x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 19x12b; D/A 2x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tape & Reel (TR)	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	48-LQFP (7x7)	100-LQFP (14x14)

STM32F071V8T6 Datasheet PDF

Download STM32F071V8T6 pdf datasheets and STMicroelectronics documentation for STM32F071V8T6 - STMicroelectronics.

Datasheets

STM32F071x8, STM32F071xB.pdf

PCN Packaging

PCN Assembly/Origin

📄 Mult Dev 01/Mar/2021.pdf

PCN Design/Specification

📄 Mult Dev 03/Nov/2022.pdf

📄 STM32Fx 24/Jun/2022.pdf

HTML Datasheet

📄 STM32F0zzz Programming Manual.pdf

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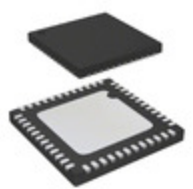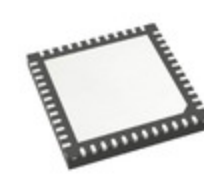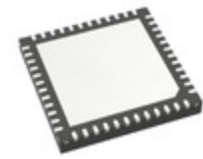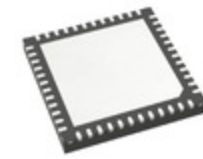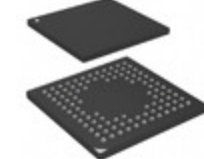|		
STM32F071V8T7TR STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	**STM32F072C8T6** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	**STM32F071VBT6** STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP
STM32F071RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	**STM32F071CBY6TR** STMicroelectronics IC MCU 32BIT 128KB FLASH 49WLCSP	**STM32F071VBT6,32** STMicroelectronics
STM32F071CBU6 STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	**STM32F071V8T6TR** STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	**STM32F071VBT61** STMicroelectronics
STM32F071VBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	**STM32F071CBU6TR** STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	**STM32F071V8T7** STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP
STM32F071CBY6TR,32 STMicroelectronics	**STM32F071CBT7** STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	**STM32F071CBU7** STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN
STM32F071CBU7TR STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	**STM32F071RBT6TR** STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	**STM32F071VBH6** STMicroelectronics IC MCU 32BIT 128KB FLSH 100UFBGA

◼ 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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