



Image may be representation.
See specifications for product details.



STM32F091RCT7

Manufacturer Part Number	STM32F091RCT7
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F091RCT7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F0zzz Programming Manual.pdf STM32F091xB, STM32F091xC.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F091RCT7 Tech Specifications

STM32F091RCT7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	52
Speed	48MHz	Mounting Type	Surface Mount
Series	STM32F0	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 19x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	DMA, I ² S, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	STM32F091
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F091RCT7

Product Attribute				
Part Number	STM32F091RCT7	STM32F091RCT6TR	STM32F091CCT7	STM32F100C4T6B
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
RAM Size	32K x 8	32K x 8	32K x 8	4K x 8
Data Converters	A/D 19x12b; D/A 2x12b	A/D 19x12b; D/A 2x12b	A/D 13x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT
Base Product Number	STM32F091	STM32F091	STM32F091	STM32F100
Speed	48MHz	48MHz	48MHz	24MHz
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Package / Case	64-LQFP	64-LQFP	48-LQFP	48-LQFP
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)	-
Number of I/O	52	52	38	37
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	16KB (16K x 8)
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, SPI, UART/USART
Series	STM32F0	STM32F0	STM32F0	STM32F1
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
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M3

STM32F091RCT7 Datasheet PDF

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PCN Packaging

2.73KHz.pdf

PCN Design/Specification


Mult Dev 03/Nov/2022.pdf

Mult Dev Assembly Chg 2/Jul/2019.pdf

PCN Assembly/Origin

 STM8/STM32 10/Mar/2020.pdf




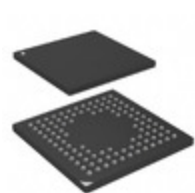
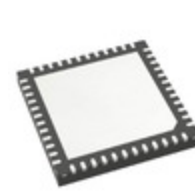

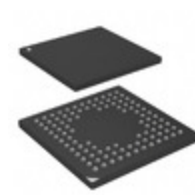

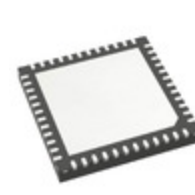









HTML Datasheet

 STM32F0zzz Programming Manual.pdf

 STM32F091xB, STM32F091xC.pdf

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Recommended Products

					
STM32F091RCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F091CCT7 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32F100C4T6B STMicroelectronics IC MCU 32BIT 16KB FLASH 48LQFP	STM32F091VCH6 STMicroelectronics IC MCU 32BIT 256KB FLSH 100UFBGA	STM32F091CCU6TR STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	STM32F091CCU7 STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN
					
STM32F091VCH7 STMicroelectronics IC MCU 32BIT 256KB FLSH 100UFBGA	STM32F091VCT7TR STMicroelectronics IC MCU 32BIT 256KB FLSH 100LFQFP	STM32F091CCU6 STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	STM32F091RCH6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 64UFBGA	STM32F091RCT6,32 STMicroelectronics	STM32F100B6 STMicroelectronics
					
STM32F091RCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F091VCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	STM32F091VBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	STM32F100B6GK STMicroelectronics	STM32F098RCH6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64UFBGA	STM32F091RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP

Shipment

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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

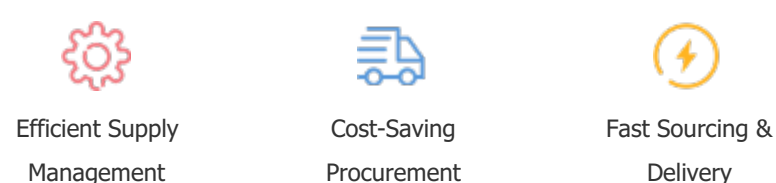
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
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