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See specifications for product details.



STM32F302RCT6

Manufacturer Part Number	STM32F302RCT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F302RCT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F302xB, xC.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F302RCT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F302RCT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F302RCT6 Tech Specifications

STM32F302RCT6 - 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 ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	52
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F3	EEPROM Size	-
RAM Size	40K x 8	Data Converters	A/D 16x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I ² S, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32F302
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F302RCT6

Product Attribute				
Part Number	STM32F302RCT6	STM32F302RET6TR	STM32F302RBT6TR	STM32F302K8U6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F3	STM32F3	STM32F3	STM32F3
Data Converters	A/D 16x12b; D/A 1x12b	A/D 16x12b; D/A 1x12b	A/D 16x12b; D/A 1x12b	A/D 8x12b; D/A 1x12b
Program Memory Size	256KB (256K x 8)	512KB (512K x 8)	128KB (128K x 8)	64KB (64K x 8)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
EEPROM Size	-	-	-	-
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Speed	72MHz	72MHz	72MHz	72MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32F302	STM32F302	STM32F302	STM32F302
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)	32-UFQFPN (5x5)
Number of I/O	52	51	52	24
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	40K x 8	64K x 8	32K x 8	16K x 8
Package / Case	64-LQFP	64-LQFP	64-LQFP	32-UFQFN Exposed Pad

STM32F302RCT6 Datasheet PDF

Download STM32F302RCT6 pdf datasheets and STMicroelectronics documentation for STM32F302RCT6 - STMicroelectronics.


PCN Packaging


[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

[STM8/STM32 10/Mar/2020.pdf](#)

PCN Design/Specification

 Mult Dev Assembly Chg 2/Jul/2019.pdf

 MMS/15/9039 20/Jan/2015.pdf

HTML Datasheet

 STM32F302xB, xC.pdf

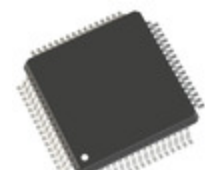
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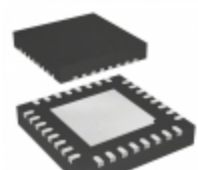
STM32F302RET6TR

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



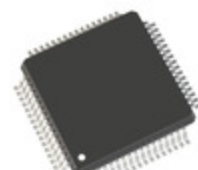
STM32F302RBT6TR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F302K8U6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 32UFQFPN



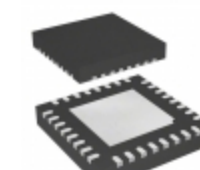
STM32F302RBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



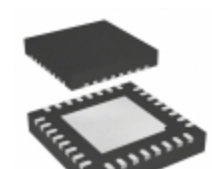
STM32F302CCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 48LQFP



STM32F302K6U6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 32UFQFPN



STM32F302K8U6TR

STMicroelectronics
IC MCU 32BIT 64KB FLASH 32UFQFPN



STM32F302RBT7

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F302VDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH 100LQFP



STM32F302RDT7

STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



STM32F302VCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 100LQFP



STM32F302CCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 48LQFP



STM32F302RDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



STM32F302CCT7

STMicroelectronics
IC MCU 32BIT 256KB FLASH 48LQFP



STM32F302RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32F302RBT7TR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32F302VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



STM32F302VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 100LQFP

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

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Certifications & Memberships



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