



Image may be representation.
See specifications for product details.



STM32G474RCT6

| | |
|--------------------------|--|
| Manufacturer Part Number | STM32G474RCT6 |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STM32G474RCT6 |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MCU 32BIT 256KB FLASH 64LQFP |
| Package | 64-LQFP |
| Data sheet | STM32G474xB, STM32G474xC, STM32G474xE Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STM32G474RCT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32G474RCT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32G474RCT6 Tech Specifications

STM32G474RCT6 - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|--|-----------------------|---|
| Manufacturer | STMicroelectronics | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 1.71V ~ 3.6V | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package | 64-LQFP (10x10) | Number of I/O | 52 |
| Speed | 170MHz | Mounting Type | Surface Mount |
| Series | STM32G4 | EEPROM Size | - |
| RAM Size | 128K x 8 | Data Converters | A/D 26x12b; D/A 7x12b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 256KB (256K x 8) | Core Processor | ARM® Cortex®-M4F |
| Peripherals | Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT | Connectivity | CANbus, I ² C, IrDA, LINbus, QSPI, SPI, UART/USART |
| Package / Case | 64-LQFP | Base Product Number | STM32G474 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32G474RCT6

| Product Attribute | | | | |
|----------------------------|---|---|---|--|
| Part Number | STM32G474RCT6 | STM32G474VET6 | STM32G474CBT6 | STM32G491KEU6 |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Base Product Number | STM32G474 | STM32G474 | STM32G474 | STM32G491 |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Package / Case | 64-LQFP | 100-LQFP | 48-LQFP | 32-UFQFN Exposed Pad |
| Core Processor | ARM® Cortex®-M4F | ARM® Cortex®-M4F | ARM® Cortex®-M4F | ARM® Cortex®-M4F |
| Data Converters | A/D 26x12b; D/A 7x12b | A/D 42x12b; D/A 7x12b | A/D 20x12b; D/A 7x12b | A/D 11x12b; D/A 4x12b |
| Speed | 170MHz | 170MHz | 170MHz | 170MHz |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |
| RAM Size | 128K x 8 | 128K x 8 | 128K x 8 | 112K x 8 |
| Series | STM32G4 | STM32G4 | STM32G4 | STM32G4 |
| Peripherals | Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT | Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT | Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT | Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Number of I/O | 52 | 86 | 38 | 26 |
| Voltage - Supply (Vcc/Vdd) | 1.71V ~ 3.6V | 1.71V ~ 3.6V | 1.71V ~ 3.6V | 1.71V ~ 3.6V |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Connectivity | CANbus, I ² C, IrDA, LINbus, QSPI, SPI, UART/USART | CANbus, I ² C, IrDA, LINbus, QSPI, SPI, UART/USART | CANbus, I ² C, IrDA, LINbus, QSPI, SPI, UART/USART | CANbus, I ² C, IrDA, IRTIM, LINbus, SAI, SPI, UART/USART, USB |
| Supplier Device Package | 64-LQFP (10x10) | 100-LQFP (14x14) | 48-LQFP (7x7) | 32-UFQFPN (5x5) |
| Package | Tray | Tray | Tray | Tray |
| Program Memory Size | 256KB (256K x 8) | 512KB (512K x 8) | 128KB (128K x 8) | 512KB (512K x 8) |
| EEPROM Size | - | - | - | - |
| Oscillator Type | Internal | Internal | Internal | Internal |

STM32G474RCT6 Datasheet PDF

Download STM32G474RCT6 pdf datasheets and STMicroelectronics documentation for STM32G474RCT6 - STMicroelectronics.

Datasheets

STM32G474xB, STM32G474xC, STM32G474xE Datasheet.pdf

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin



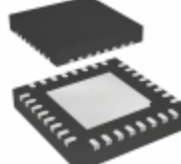

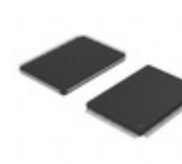

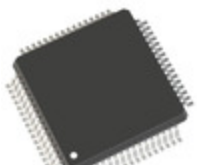




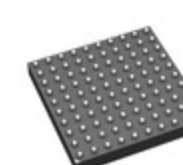

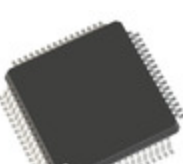




STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

Mult Des Die Rev 24/Nov/2020.pdf

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Recommended Products

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|---|--|---|--|---|---|
|  STM32G474VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |  STM32G474CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP |  STM32G491KEU6 STMicroelectronics IC MCU 32BIT 512KB FL5H 32UFQFPN |  STM32G474CET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 48LQFP |  STM32G474QET3 STMicroelectronics IC MCU 32BIT 512KB FLASH 128LQFP |  STM32G473VET6TR STMicroelectronics CONTROLLER / PROCESSOR |
|  STM32G474RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP |  STM32G491CET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 48LQFP |  STM32G474VET3 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |  STM32G483VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |  STM32G484CET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 48LQFP |  STM32G473VEH6 STMicroelectronics IC MCU 32BIT 512KB FL5H 100TFBGA |
|  STM32G484VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |  STM32G474RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP |  STM32G473VBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP |  STM32G473VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |  STM32G473VCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP |  STM32G474VCT6 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:
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