



Image may be representation.
See specifications for product details.



STM32F101RET6

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | STM32F101RET6 |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STM32F101RET6 |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC MCU 32BIT 512KB FLASH 64LQFP |
| Package | 64-LQFP |
| Data sheet | STM32F101RET6.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STM32F101RET6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F101RET6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F101RET6, please send us email: info@allelco.com

Specifications

STM32F101RET6 Tech Specifications

STM32F101RET6 - 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 | 51 |
| Speed | 36MHz | Mounting Type | Surface Mount |
| Series | STM32F1 | EEPROM Size | - |
| RAM Size | 48K x 8 | Data Converters | A/D 16x12b; D/A 2x12b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 512KB (512K x 8) | Core Processor | ARM® Cortex®-M3 |
| Peripherals | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT | Connectivity | I²C, IrDA, LINbus, SPI, UART/USART |
| Package / Case | 64-LQFP | Base Product Number | STM32F101 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101RET6

| Product Attribute | | | | |
|----------------------------|---|---|---|---|
| Part Number | STM32F101RET6 | STM32F101RCT6TR | STM32F101T6U6 | STM32F101RBT6 |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Core Processor | ARM® Cortex®-M3 | ARM® Cortex®-M3 | ARM® Cortex®-M3 | ARM® Cortex®-M3 |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |
| Base Product Number | STM32F101 | STM32F101 | STM32F101 | STM32F101 |
| Connectivity | I²C, IrDA, LINbus, SPI, UART/USART | I²C, IrDA, LINbus, SPI, UART/USART | I²C, IrDA, LINbus, SPI, UART/USART | I²C, IrDA, LINbus, SPI, UART/USART |
| Data Converters | A/D 16x12b; D/A 2x12b | A/D 16x12b; D/A 2x12b | A/D 10x12b | A/D 16x12b |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Number of I/O | 51 | 51 | 26 | 51 |
| Series | STM32F1 | STM32F1 | STM32F1 | STM32F1 |
| RAM Size | 48K x 8 | 32K x 8 | 6K x 8 | 16K x 8 |
| Package | Tray | Tape & Reel (TR) | Tray | Tray |
| Program Memory Size | 512KB (512K x 8) | 256KB (256K x 8) | 32KB (32K x 8) | 128KB (128K x 8) |
| Voltage - Supply (Vcc/Vdd) | 2V ~ 3.6V | 2V ~ 3.6V | 2V ~ 3.6V | 2V ~ 3.6V |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Peripherals | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT |
| Supplier Device Package | 64-LQFP (10x10) | 64-LQFP (10x10) | 36-VFQFPN (6x6) | 64-LQFP (10x10) |
| Speed | 36MHz | 36MHz | 36MHz | 36MHz |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Package / Case | 64-LQFP | 64-LQFP | 36-VFQFN Exposed Pad | 64-LQFP |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| EEPROM Size | - | - | - | - |

Customers Also Interested in

Recommended Products



STM32F101RCT6TR
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



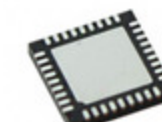
STM32F101T6U6
STMicroelectronics
IC MCU 32BIT 32KB FLASH 36VFQFPN



STM32F101RBT6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



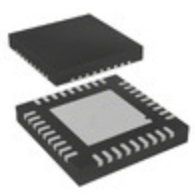
STM32F101RDT6TR
STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



STM32F101T6U6A
STMicroelectronics
IC MCU 32BIT 32KB FLASH 36VFQFPN



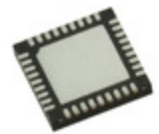
STM32F101RGT6TR
STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP

**STM32F101TBU6**STMicroelectronics
IC MCU 32BIT 128KB FLSH
36VQFPN**STM32F101RET6TR**STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP**STM32F101RBH6TR**

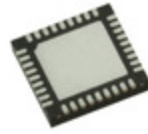
STMicroelectronics

**STM32F101RFT6**STMicroelectronics
IC MCU 32BIT 768KB FLASH 64LQFP**STM32F101RBH6,32**

STMicroelectronics

**STM32F101T8U6**STMicroelectronics
IC MCU 32BIT 64KB FLASH
36VQFPN**STM32F101RBH6TR,32**

STMicroelectronics

**STM32F101RGT6**STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP**STM32F101T4U6A**STMicroelectronics
IC MCU 32BIT 16KB FLASH
36VQFPN**STM32F101RCT6**STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP**STM32F101RBT6TR**STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP**STM32F101RDT6**STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP

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

info@allelco.com

Certifications & Memberships



[View More](#)



WWW.ALLELCOELEC.COM

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.