



Image may be representation.
See specifications for product details.



STM32F302VDT6

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | STM32F302VDT6 |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STM32F302VDT6 |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MCU 32BIT 384KB FLASH 100LQFP |
| Package | 100-LQFP |
| Data sheet | STM32F302xD, xE.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STM32F302VDT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F302VDT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F302VDT6 Tech Specifications

STM32F302VDT6 - 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 | 100-LQFP (14x14) | Number of I/O | 86 |
| Speed | 72MHz | Mounting Type | Surface Mount |
| Series | STM32F3 | EEPROM Size | - |
| RAM Size | 64K x 8 | Data Converters | A/D 17x12b; D/A 1x12b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 384KB (384K 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 | 100-LQFP | Base Product Number | STM32F302 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F302VDT6

| Product Attribute | | | | |
|----------------------------|--|--|--|--|
| Part Number | STM32F302VDT6 | STM32F303CBT6TR | STM32F302RET6 | STM32F302VCT6TR |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Voltage - Supply (Vcc/Vdd) | 2V ~ 3.6V | 2V ~ 3.6V | 2V ~ 3.6V | 2V ~ 3.6V |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| 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 |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Number of I/O | 86 | 37 | 51 | 87 |
| Supplier Device Package | 100-LQFP (14x14) | 48-LQFP (7x7) | 64-LQFP (10x10) | 100-LQFP (14x14) |
| 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 |
| Speed | 72MHz | 72MHz | 72MHz | 72MHz |
| Data Converters | A/D 17x12b; D/A 1x12b | A/D 15x12b; D/A 2x12b | A/D 16x12b; D/A 1x12b | A/D 17x12b; D/A 1x12b |
| Base Product Number | STM32F302 | STM32F303 | STM32F302 | STM32F302 |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Package / Case | 100-LQFP | 48-LQFP | 64-LQFP | 100-LQFP |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Package | Tray | Tape & Reel (TR) | Tray | Tape & Reel (TR) |
| Series | STM32F3 | STM32F3 | STM32F3 | STM32F3 |
| Core Processor | ARM® Cortex®-M4 | ARM® Cortex®-M4 | ARM® Cortex®-M4 | ARM® Cortex®-M4 |
| RAM Size | 64K x 8 | 32K x 8 | 64K x 8 | 40K x 8 |
| Program Memory Size | 384KB (384K x 8) | 128KB (128K x 8) | 512KB (512K x 8) | 256KB (256K x 8) |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |

STM32F302VDT6 Datasheet PDF

Download STM32F302VDT6 pdf datasheets and STMicroelectronics documentation for STM32F302VDT6 - STMicroelectronics.

PCN Packaging


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

PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)

[STM32Fx 24/Jun/2022.pdf](#)

PCN Assembly/Origin


















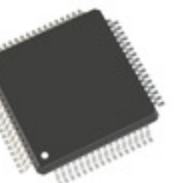
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 STM32F302xD, xE.pdf

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| | | | | | |
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| STM32F303CBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP | STM32F302RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP | STM32F302VCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP | STM32F302RCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP | STM32F303CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP | STM32F302VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP |
|  |  |  |  |  |  |
| STM32F302RET6TR STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP | STM32F303CBT7 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP | STM32F303CCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP | STM32F302VDT6TR STMicroelectronics IC MCU 32BIT 384KB FLASH 100LQFP | STM32F303K6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP | STM32F302ZET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP |
|  |  |  |  |  |  |
| STM32F303C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP | STM32F302RBT7 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP | STM32F302RBT7TR STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP | STM32F302VCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP | STM32F302RDT6 STMicroelectronics IC MCU 32BIT 384KB FLASH 64LQFP | STM32F302RDT7 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 |

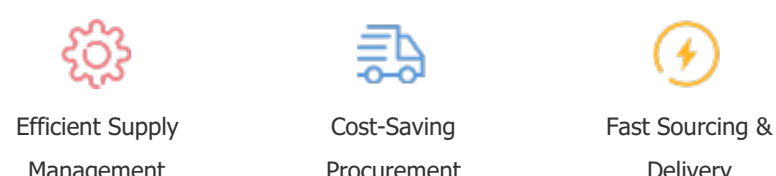
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

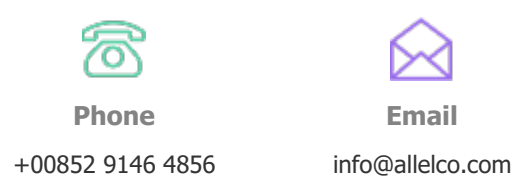
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