

ARM MCU, Ultra Low Power, STM32 Family STM32L1 Series Microcontrollers, ARM Cortex-M3, 32bit

Manufacturers	STMicroelectronics, Inc
Package/Case	LQFP10014x14x1.4
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for STM32L152VCT6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STM32L152VCT6 is a microcontroller from STMicroelectronics, which is a member of their STM32L1 series of ultra-low-power microcontrollers. It is based on the ARM Cortex-M3 core and features 128 KB of Flash memory, 16 KB of RAM, and a wide range of peripherals.

Features

- Ultra-low-power consumption with multiple low-power modes
- Wide operating voltage range of 1.8V to 3.6V
- High-performance 12-bit ADC with up to 16 channels
- High-speed USB 2.0 Full-speed interface
- Multiple communication interfaces, including USART, SPI, I2C, and CAN
- Up to 37 GPIO pins, including up to 11 analog inputs
- Real-time clock (RTC) and backup registers for power management

Application

- Energy-efficient applications such as smart meters, sensors, and IoT devices
- Medical devices, such as portable monitors and diagnostic equipment
- Industrial automation and control systems
- Consumer electronics, including portable devices and wearables



Related Products



[STM32L151VET6](#)

STMicroelectronics, Inc
LQFP-100



[STM32F102C6T6A](#)

STMicroelectronics, Inc
LQFP48



[STM32L476JEY6TR](#)

STMicroelectronics, Inc
72-UFBGA, WLCSP



[STM32L452RET6P](#)

STMicroelectronics, Inc
64-LQFP



[STM32F429BGT6](#)

STMicroelectronics, Inc
208-LQFP



[STM32F446VCT6](#)

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[STM32G071CBT6TR](#)

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[STM32F302VET6](#)

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100-LQFP