



New Product Announcement

STMicroelectronics' STM32G0 Discovery Kit, Now at Mouser, Helps Designers Evaluate and Use USB Type-C and PD Functions

May 14, 2019 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [STM32G0 Discovery kit](#) from [STMicroelectronics](#) (ST). The comprehensive kit, based on the [STM32G0](#) USB Type-C and Power Delivery microcontroller, offers all required interfaces for connection and interoperability with [USB Type-C](#) devices. The versatile STM32G0 Discovery kit provides access to the USB-C port to check the status of power capabilities when connected to USB-C hosts including smartphones, computers, and USB-C docking stations.

[ST's STM32G0 Discovery kit](#), available from Mouser Electronics, is based on an STM32G071RB microcontroller with an Arm® Cortex®-M0+ core, 32 Kbytes of RAM, and 128 Kbytes of flash memory. The handheld case integrates a four-way joystick with selection button plus a 1-inch 128 × 64 pixel OLED LCD module for ease of use. The device's on-board ST-LINK/V2-1 debugger/programmer offers USB enumeration capability, enabling intensive debugging and development.

The kit offers multiple board external connectors, including a USB Type-C plug cable, USB with micro-AB connector for ST-LINK, USB Type-C receptacle connector, and 8-pin user extension connector including SPI, ADC, USART and I²C communication signals. The board's internal connectors include USB Type-C test points for main signals and two 8-pin GPIOs free pins.

The kit has three bidirectional current and power monitors with I²C interface, enabling the measurement of V_{BUS}, CC1 and CC2 protected and isolated lines, as well as an onboard DC/DC converter that sustains a [power supply](#) with V_{BUS} ranging from 3 V to 20 V. The STM32G0 Discovery kit can be combined with the STM32CubeMonitor-UCPD to create a professional-grade Power Delivery analyzer.

To learn more, visit www.mouser.com/stmicroelectronics-stm32g0-discovery-kit.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

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