BQ769x2 Code Examples

The code examples included are listed below. All examples include a microcontroller evaluation board connected to a BQ76952EVM. The examples were written so that they can easily be modified to work with other devices in the BQ769x2 battery monitor family or with other microcontrollers. A video training for these code examples will also be available in the BQ769x2 training materials (https://training.ti.com/bq76952-and-bq76942-battery-monitors).

BQ769x2Header.h – The header file defines all of the device commands and register addresses for the BQ769x2 family and this common header file is used with all of the code examples.

MSP430_I2C – Code example written for the MSP430FR2355 Launchpad interfacing to the BQ76952EVM. The code includes many functions for using the different commands for the BQ769x2 family, shows how to configure the device settings, and demonstrates a simple measurement and protection loop.

STM32_I2C – Similar to the MSP430_I2C example, this code is written for the NUCLEO-F103RB development board interfacing to the BQ76952EVM.

STM32_SPI – Equivalent to the STM32_I2C Example, but uses the SPI protocol. While the base part numbers for the BQ769x2 are configured for I2C, some versions of the BQ769x2 device family come pre-configured for SPI.