**BTN7030-Arduino-Shield**

**NovalithICTM Lite Arduino Shield BTN7030-1EPA**

BTN7030-1EPA – Arduino Shield (Smart integrated half-bridge)

The purpose of this Arduino Shield is to provide very simple demo code and interfaces to the BTN7030-1EPA device via C++ objects. We hope you will enjoy using NovalithICTM Litesmart half-bridges with integrated protection and diagnostic features.

For using this board, you will need:

* 12V DC power supply with sufficient load current capability (20A)
* Half-bridge and Full-Bridge configuration
* 4 cables - use 4mm² banana plugs
* A microcontroller evaluation board with Infineon XMC1100 starter kit (Arduino compatible) or Arduino Uno Board
* A firmware for your microcontroller evaluation board.
* Micro-USB cable to upload the code and to provide supply voltage (5 V) from the PC to the board.