Embedded SW: Battery Cell Controller Software Driver for MC33771C and MC33772C

EMBEDDED-SW-MC33771C

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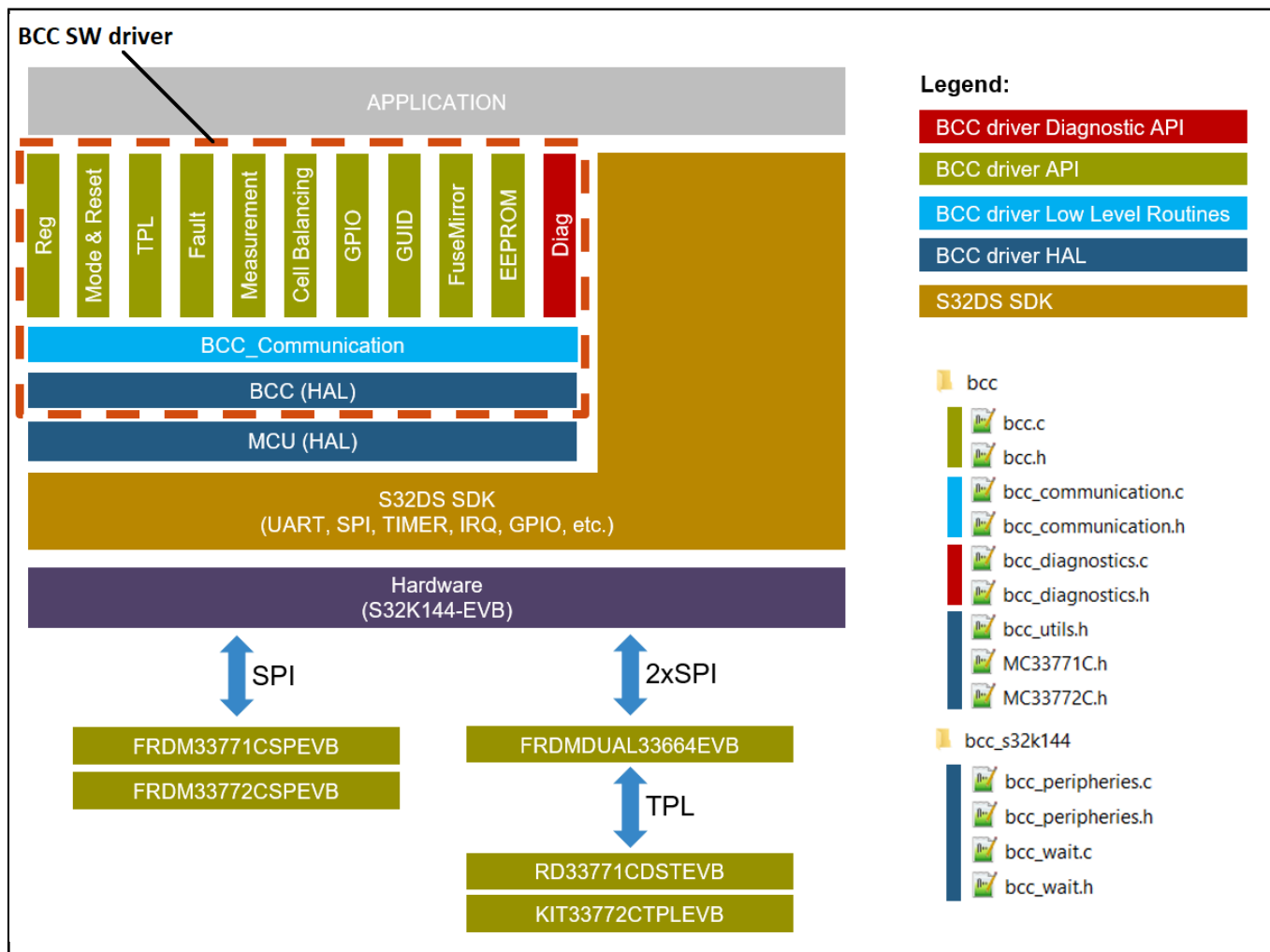
This embedded software solution provides high-level support for MC33771C and MC33772C .

Included embedded driver provides access to all features of battery cell controllers such as writing/reading registers, configuring daisy chains, handling faults, doing diagnostics and measuring voltage, current and temperature.

Implementation of the BCC software driver is generic, allowing to use any suitable 32-bit microcontroller with SPI modules and enough number of GPIO pins. Example projects for S32K144 microcontroller are part of the package.

There are two packages with BCC SW driver available: full version and lite version. Lite version is available directly from nxp.com web pages (without NDA required) but does not provide an implementation of diagnostic functions.

Software Driver for MC33771C Block Diagram

View additional information for Embedded SW: Battery Cell Controller Software Driver for MC33771C and MC33772C.

Note: The information on this document is subject to change without notice.