



Embedded SW: Battery Cell Controller Software Driver for MC33771B/MC33772B

EMBEDDED-SW-BCC

Last Updated: Apr 9, 2022

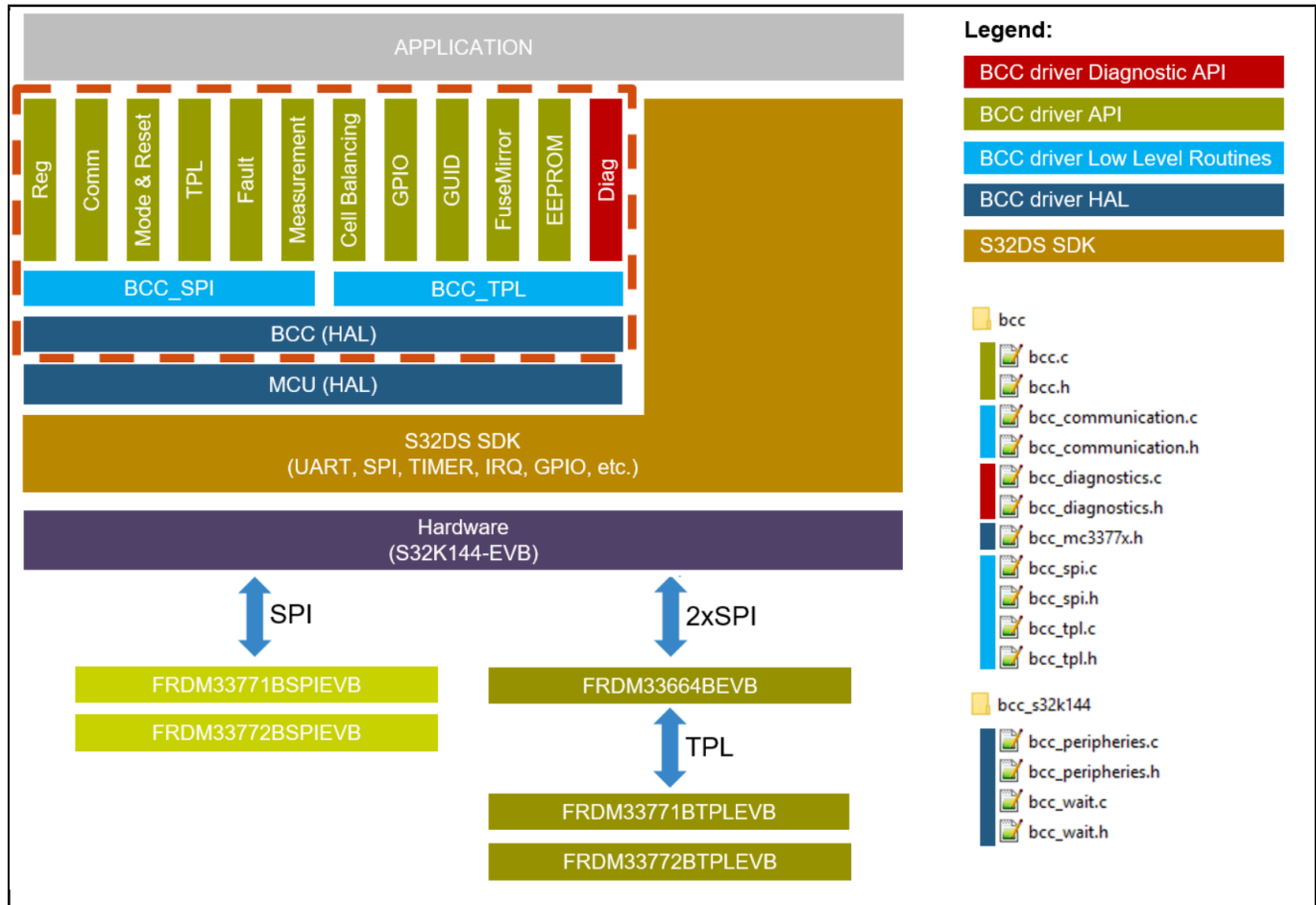
This embedded software solution provides high-level support for listed NXP analog parts ([MC33771B](#) and [MC33772B](#)).

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 MC33771B/MC33772B Block Diagram



View additional information for [Embedded SW: Battery Cell Controller Software Driver for MC33771B/MC33772B](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.