

Battery Cell Controller Software Driver v1.1

(Lite version)

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Content

This archive contains Lite version of embedded NXP Battery Cell Controller (BCC) software driver v1.1 and example projects for S32K144 MCU and S32 Design Studio for ARM Version 2018.R1.

Supported BCC models are MC33771B and MC33772B.

This archive contains the files listed in Table 1.

Table 1. Content of the Archive

Folder Name	Folder Contents
Programmer_Guide	This folder contains detailed API documentation of this SW driver.
S32DS_Examples	Example project folder for S32 Design Studio for ARM Version 2018.R1.
BCC_S32K144_MC33771_FreeMASTER	This project demonstrates how can be the Battery Cell Controller SW Driver used in conjunction with FreeMASTER visualization tool. The project is determined for S32K144EVB-Q100 MCU board and FRDM33771BSPIEBV or FRDM33771BTPLEVB BCC boards.
BCC_S32K144_Monitoring	This project demonstrates how to read measurements and fault status information of BCC device with use of the Battery Cell Controller SW Driver. The project is determined for S32K144EVB-Q100 and various BCC EVBs.
SDK_SW_Driver	Battery Cell Controller SW Driver (v1.1) folder.
LICENSE.txt	License file.