Software Documentation

F&S Freescale NBoot Programming

Version 1.10
2015-10-15

History

Date	V	Platform	A,M,R	Chapter	Description	Au
2014-08-28	1.0	All	A	-	Build the document	MW
2014-09-01	1.0	All	M	*	Changed to New Company CI	JG
2014-09-01	1.0	All	A	Test Setup	Added Module Images	JG
2015-10-09	1.1	All	M		Modifications for new MFG-Tool	MW

V	Version
A,M,R	Added, Modified, Removed
Au	Author

About This Document

This document describes the steps to program the nboot with the MFG-Tool.

The following steps only work on F&S Boards with a Freescale-CPU.

If you have a PicoCOMA5 you have to send the board to our RMA department (http://www.fs-net.de/en/support/serial-number-info-and-rma/) or contact our Support (Support@fs-net.de).
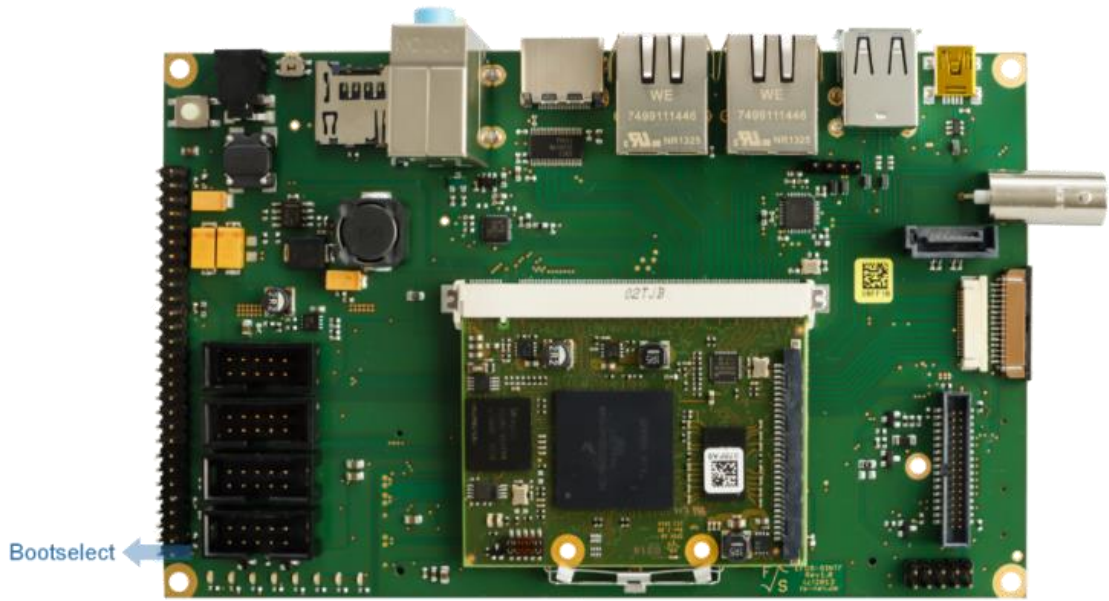
Needed test equipment:

1. Tweezers or another tool to connect the Bootselect-Pins

Test setup:

1. Connect USB-Device to the board
2. Connect the serial debug interface
3. Connect the power supply
4. Short circuit the Bootselect-Pins (armStone: J12 Pin65+66, NDCUA5: J9 Pin1+2, efus-SINTF: J22 Pin57+58, QBliss-SINTF: X3 Pin1+2, PMOD-SINTF: J30 1+3):
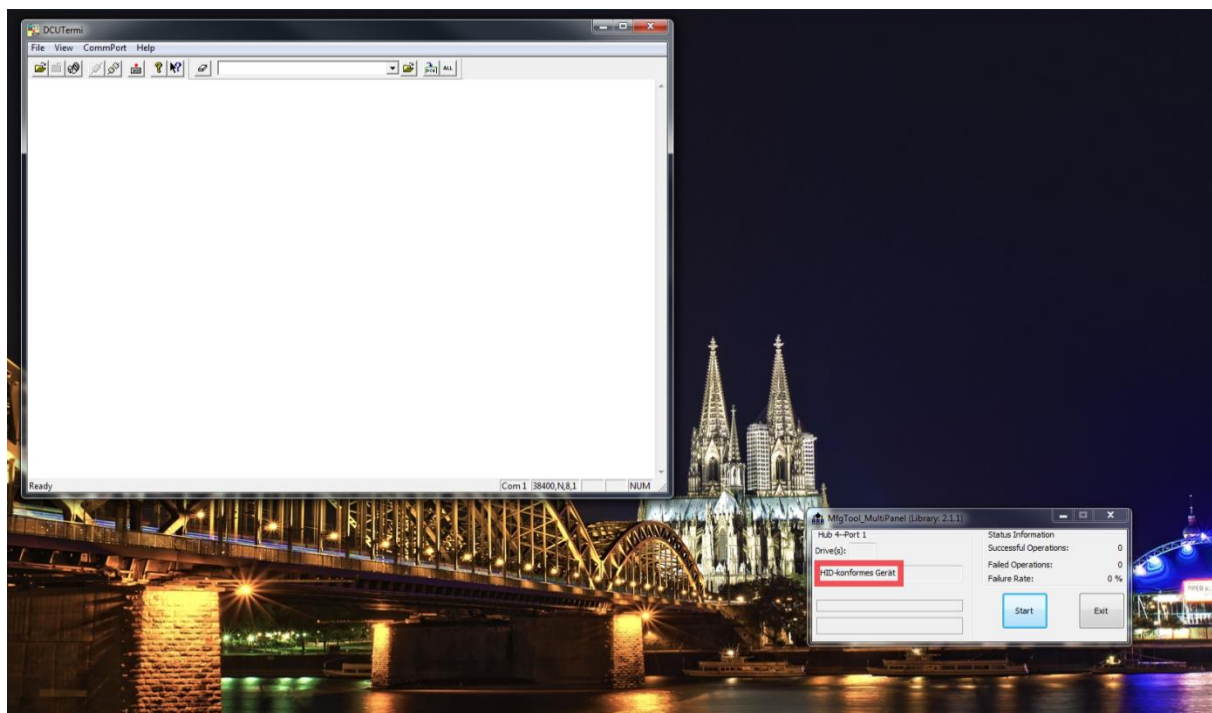
Bootselect

Bootselect
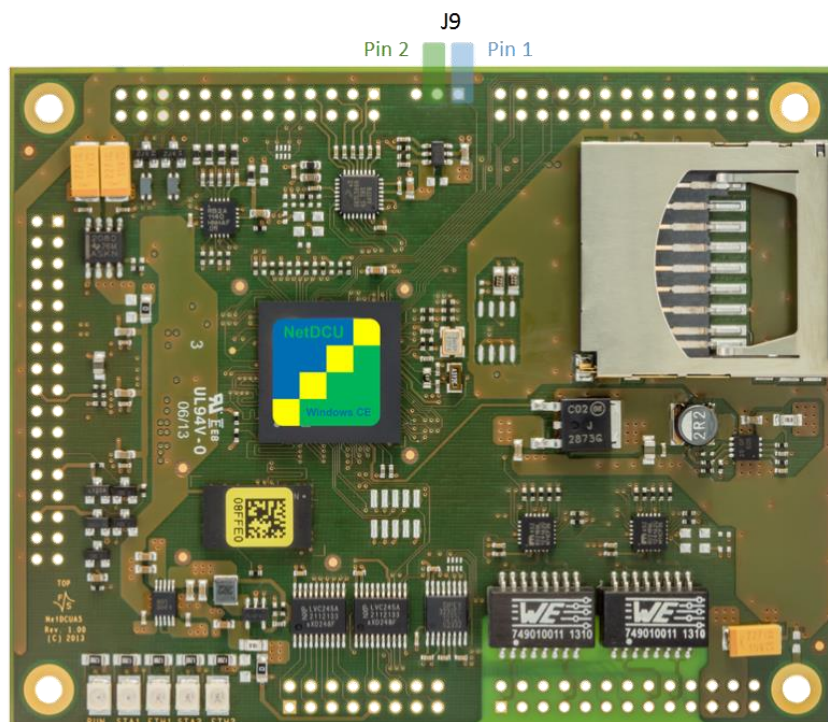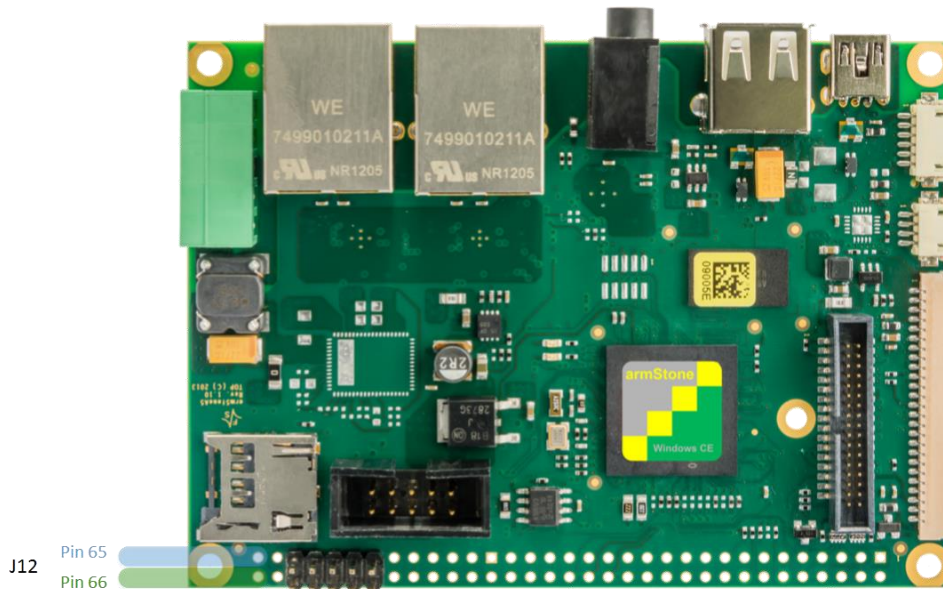
Test software:

1. MFG-Tool ([Download](#))
2. Latest nBoot
3. DCU-Term ([Download](#))

Needed Voltages:

5 Volts

Procedure:

1. Rename the latest nboot from our Homepage to "nboot.bin"
2. Place the "nboot.bin" into the same folder as the MFG-Tool
3. Start the MFG Tool
4. Start the DCU-Term and connect your COM-Port
5. Power the board. Now the MFG-Tool shows the message "HID-conform device":

6. Press "Start" at the MFG-Tool.
7. Now the download of the nboot starts. The nboot will be save on your board.
8. You can see the debug-messages of the nboot in the DCU-Termi window:
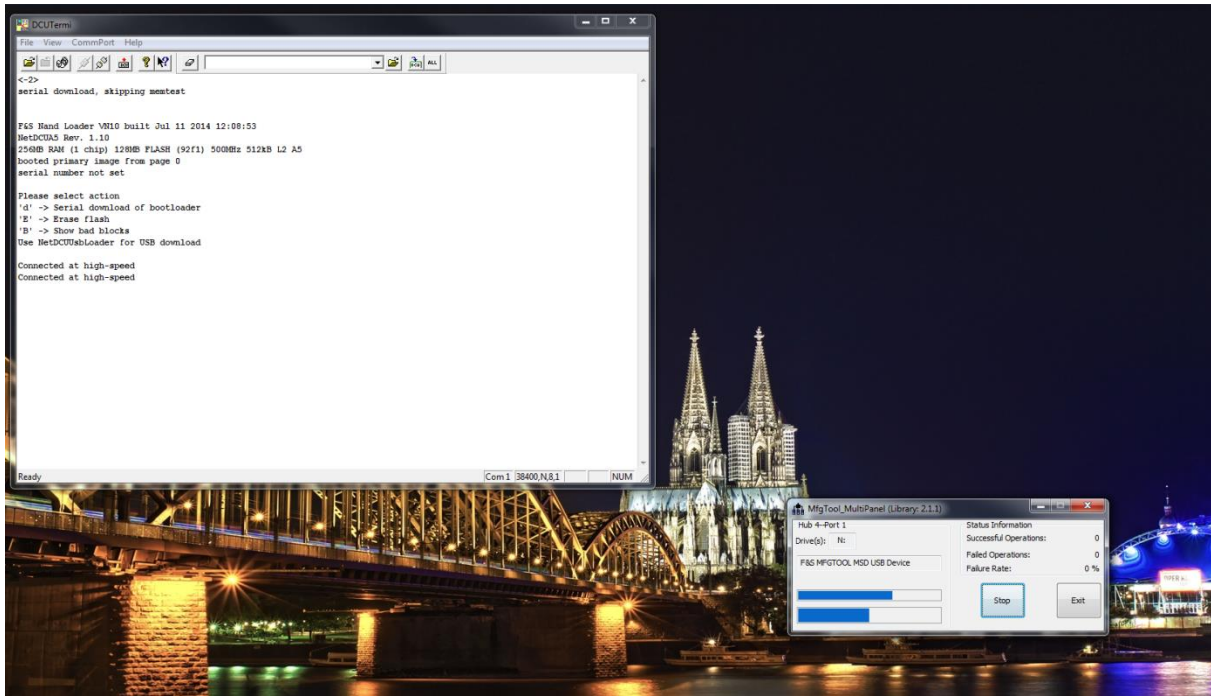
9. Now you can remove the short circuit of the Bootselect-Pins and restart the board.

If the nboot of the board starts normally, the programming was successful.