

Interfacing FlashRunner 2.0 with CC_ICEPICK devices

Protocols supported

- JTAG (from 1MHz to 25MHz)

Algorithm Notes

For CC264x devices, the FLASH memory contains a CCFG area in its last page and it is made up of 48 bytes.

The MassErase command deletes and restores this last bytes to the default values.

This area is always programmed with some "D5" bytes even when virgin, so the BLANKCHECK B command ignores these final bytes.

Commands List

Memory type:

F → Flash

B → CCFG

MASSERASE

MASSERASE <C>

This function unlocks the debug port and performs a chip erase of the device.

BLANKCHECK

BLANKCHECK <F|B>

Blankcheck command for Flash or CCFG.

PROGRAM

PROGRAM <F|B>

Program command for Flash or CCFG.

VERIFY

VERIFY <F|B> <R|S>

Verify command for Flash or CCFG:

R – Normal verify with Read-Out method

R – Verify with checksum method

READ

READ <F|B> <start_addr> <size>

Read function for Flash or CCFG.

DUMP

DUMP <F|B> <start_addr> <size>

Dump function for Flash or CCFG.

CONNECT

Connect function: Power on and check ICEPICK IDCODE.

DISCONNECT

Disconnect function: Power off and exit.