

Interfacing FlashRunner 2.0 with NHS devices



Standard Commands

CONNECT

This command is used to connect to the device. It might print information on the status of the debug interfaces.

MASSERASE <memory_type>

This command is used to erase the specified memory.

BLANKCHECK <memory_type> [<startAddress> <size>]

This command is used to check if the specified memory is blank. StartAddress and size are optional parameters to check if a part of the selected memory is blank.

PROGRAM <memory_type>

This command is used to flash the specified memory with a customer's firmware which fits into this memory.

VERIFY <memory_type>

This command is used to compare the content of the memory with a customer's firmware.

R – Readout method

S – CRC32 method.

READ <memory_type> [<start_address> <size>]

This command is used to read the specified memory or a portion of it and print it out in the GUI terminal.

DUMP <memory_type> [<start_address> <size>]

This command is used to read the specified memory or a portion of it and save it into a binary file stored inside the programming system SD-CARD.

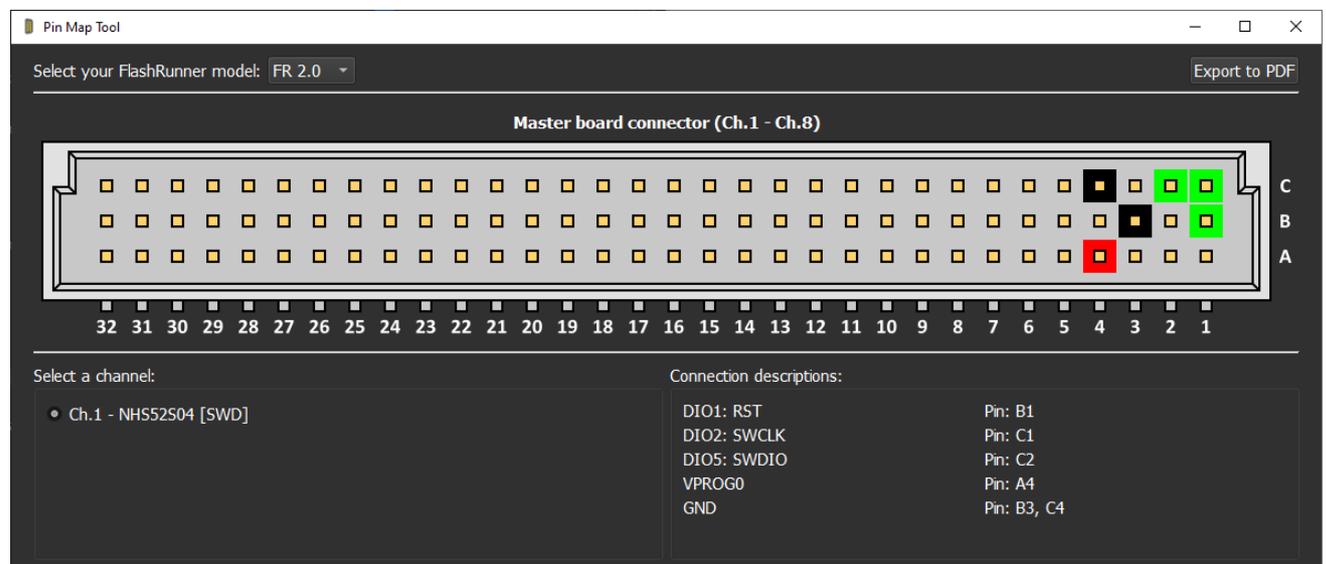
DISCONNECT

This command is used to disconnect from the device.

Supported protocols

NHS flashing algorithm supports only SWD protocol. UART unique functionalities can be developed upon request.

#TCSETPAR CMODE <SWD>



Additional Commands

SECTOR_ERASE <memory_type> <startAddress> <size>

This command is used to erase the specified part of the selected memory.