

## 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.

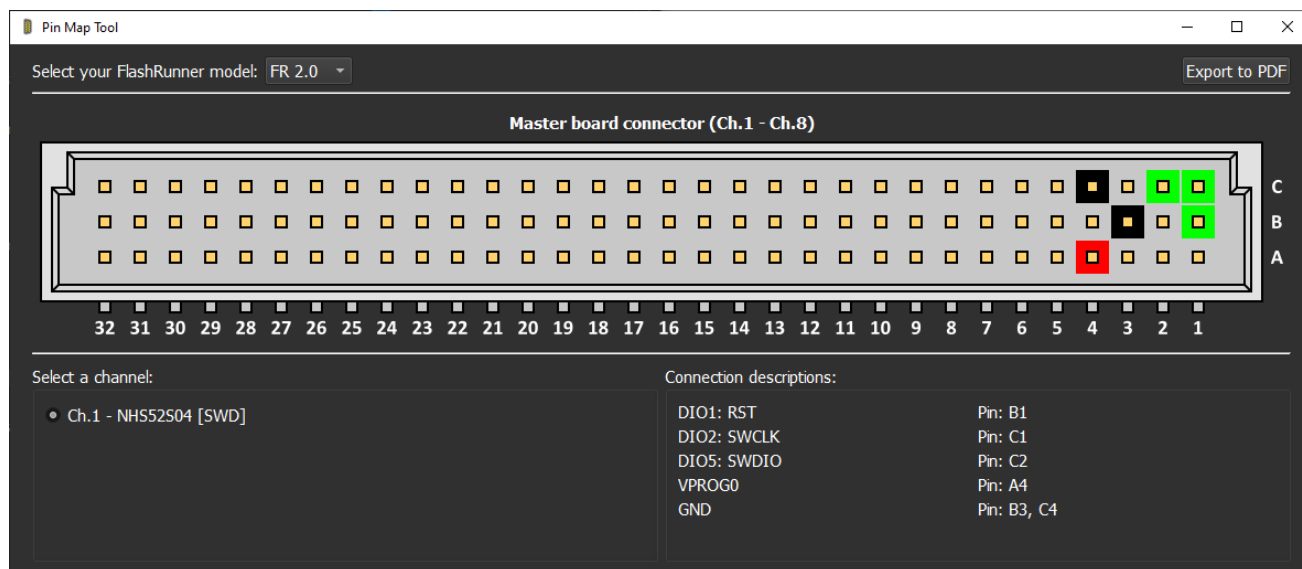
### DISCONNECT

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.