

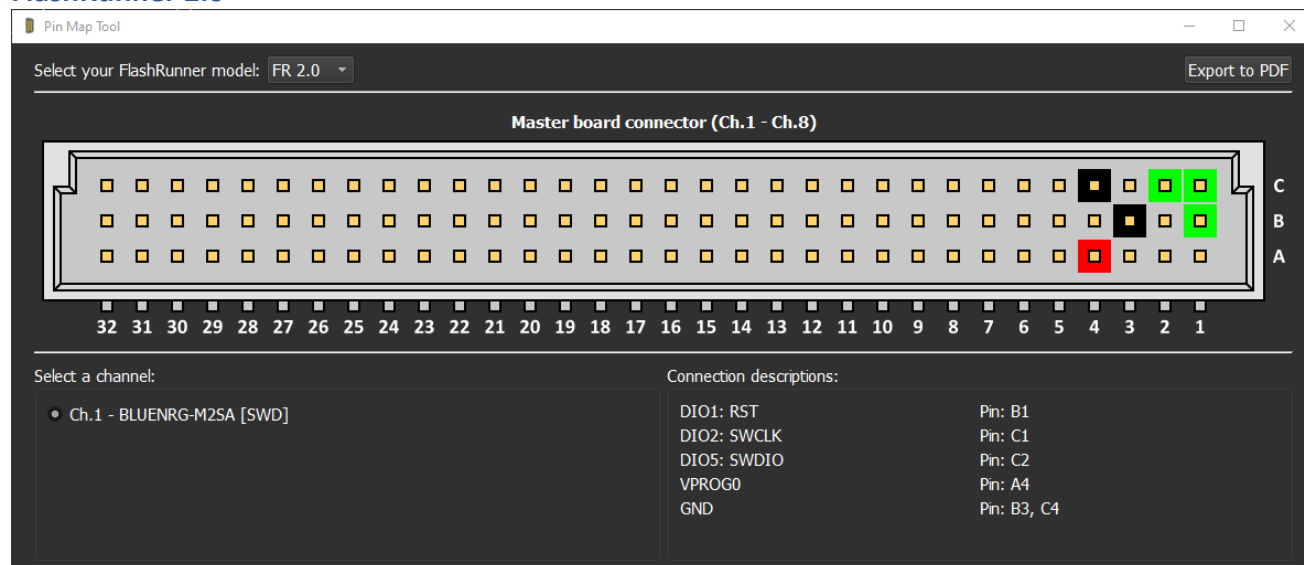
Interfacing FlashRunner 2.0 with STMicroelectronics BLUENRG devices

Supported protocols

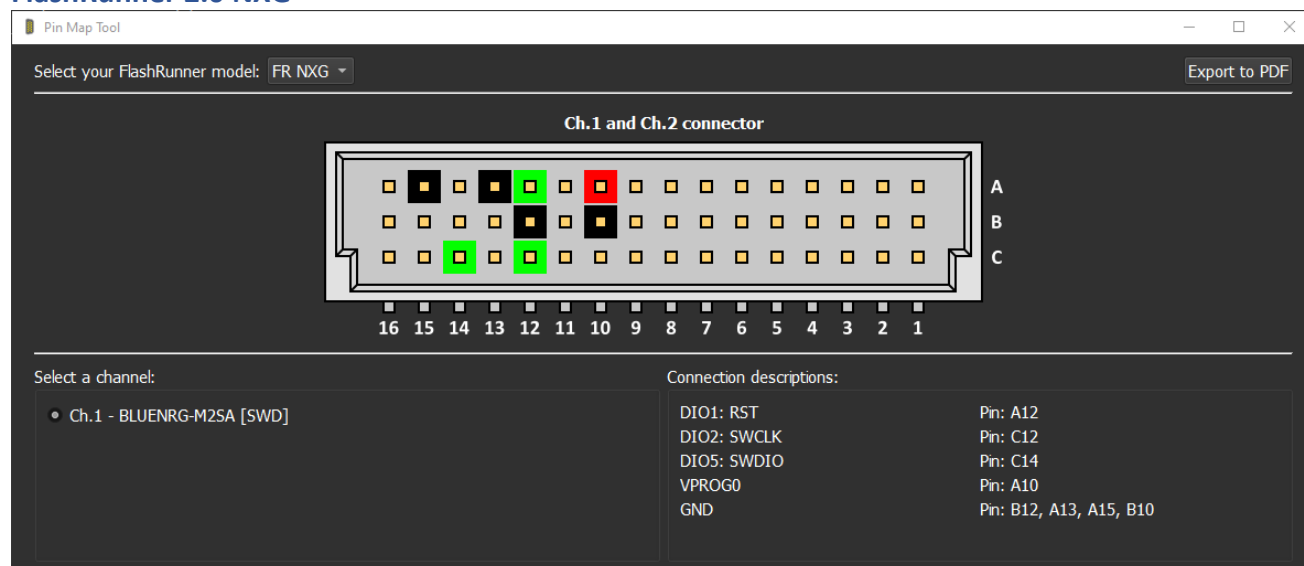
BLUENRG flashing algorithm supports SWD protocol.

#TCSETPAR CMODE <SWD>

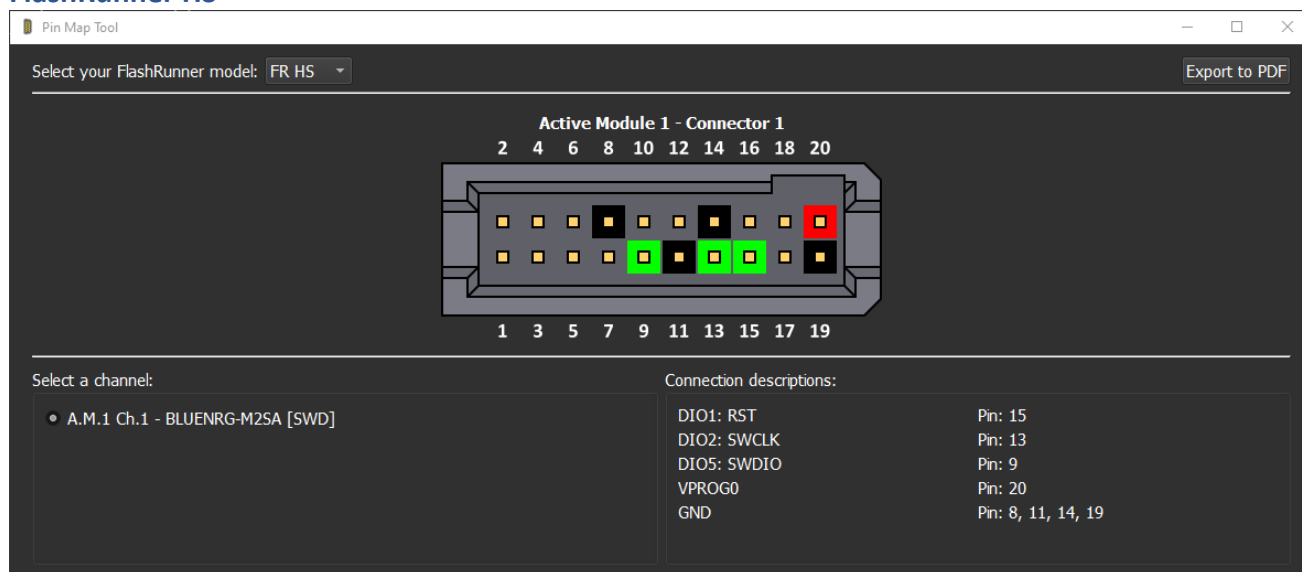
FlashRunner 2.0



FlashRunner 2.0 NXG



FlashRunner HS



Standard Commands

CONNECT

This command is used to connect to the device. It prints out information on the status of the debug interface.

MASSERASE <memory_type> | <memory_type> <start_address> <size>

This command is used to erase the specified memory or a portion of the specified memory.

BLANKCHECK <memory_type> [<start_address> <size>]

This command is used to check if the specified memory or a portion of it is blank.

Start address and size are optional parameters.

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> <verify_method>

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

R – Readout method: compares the content bit by bit.

S – Checksum method: compares the checksum of the source file with the checksum of the memory content.

UNLOCK

This command removes the readout protection by performing a mass erase of the device flash.

All user code and data in flash will be lost.

LOCK

This command enables the flash readout protection.

To remove protection, a full masserase must be performed using the UNLOCK command.

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.

Memories

Device: **BLUENRG-M2SA**
 Family: **BLUENRG-2**
 Manufacturer: **STMICROELECTRONICS**
 Algorithm: **BLUENRG - libbluenrg.so**

	Memory Type	Start Address ^	End Address	Memory Size	Page Size	Blank Value	Address Unit
1	[F] - Flash	0x10040000	0x1007FFFF	256.00 KiB	0	0xFFFFFFFF	BYTE