

Interfacing FlashRunner 2.0 with R7FSYNERGY devices

Algorithm Notes

Protocol supported:

- SWD

Mem Type Table

MEM_TYPE	FLAG	IDX
FLASH	F	0
DATAFLASH	D	1
OPTION BYTES*	O	2

*only for R7FA devices (RA family).

Commands List

Memory types:

F → Flash

D → DATAFLASH

O → Option bytes

MASSERASE

MASSERASE <F|D>

This function perform a Masserase for Flash or DataFlash.

BLANKCHECK

BLANKCHECK <F|D>

Blankcheck command for Flash or DataFlash.

PROGRAM

PROGRAM <F|D|O>

Program command for Flash or DataFlash or option bytes (RA family).

VERIFY

VERIFY <F|D|O> <R|S>

Verify command for Flash or DataFlash or option bytes (RA family).

R - Normal verify with Read-Out method.

S - Verify with CRC16 method.

READ

READ <F|D|O> <start_addr> <size>

Read function.

DUMP

DUMP <F|D|O> <start_addr> <size>

Dump function.

CONNECT

Connect function: Power on, connect to the device.

DISCONNECT

Disconnect function: Power off and exit.