

Interfacing FlashRunner 2.0 with ARM9 devices

Algorithm Notes

Protocol supported:

- JTAG (FFPI --> Pins configuration: TST = 1, PA0 = 1, PA1 = 1, PA2 = 0, PA3 = 0)

Mem Type Table

MEM_TYPE	FLAG	IDX
FLASH	F	0

Commands List

Memory types:

F → Flash

MASSERASE

MASSERASE <F>

This function perform a Masserase for Flash.

BLANKCHECK

BLANKCHECK <F>

Blankcheck command for Flash.

PROGRAM

PROGRAM <F>

Program command for Flash.

SETGPNVM

SETGPNVM <bit_mask>

Set GPNVM:

GETGPNVM

GETGPNVM;

Get GPNVM.

CLRGPVNM

CLRGPVNM <bit_mask>

Clear GPNVM.

VERIFY

VERIFY <F> <R>

Verify command for Flash.

R – Normal verify with Read-Out method.

READ

READ <F> <start_addr> <size>

Read function.

DUMP

DUMP <F> <start_addr> <size>

Dump function.

CONNECT

Connect function: Power on, connect to the device (CORE HALT not needed for FFPI JTAG serial programming).

DISCONNECT

Disconnect function: Power off and exit.