

Interfacing FlashRunner 2.0 with TMS470M devices

Algorithm Notes

The device is BIG ENDIAN.

Protocol supported:

- JTAG

Mem Type Table

MEM_TYPE	FLAG	IDX
FLASH	F	0

Additional parameters

- PROGRAM_ECC: If checked, the PROGRAM F command will also write the FLASH ECC memory area with the proper ECC of the programmed FLASH.
- INPUT_OSC: Available range [5 - 20] MHz: if not checked or out of bounds, the driver will use 5MHz.

The optimal would be 12 if available on customer board.

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.

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.

DISCONNECT

Disconnect function: Power off and exit.