TEB0707 CPLD Firmware

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Available CPLD Firmware

• TEB0707 SC CPLD - Firmware description Default delivered Firmware

CPLD Access and Programming

- 1. Connect micro USB to PC.
- 2. Connect 5V Power supply.
- Select CPLD JTAG by putting dip switch S1-4 in position ON.
 Export Serial Vector Format File (SVF)
 - - a. Open Project in Quartus Programmer

 - f. Export by clicking OK. If no other location was defined, the gernerated file is in the project folder.

Programmer - B:/SVN/micromodules/4x5-Baseboards/TEB0707/current/hdl/SC/current/SC_TEB0707 - top - [top.cdf]* — File Edit View Processing Tools Window Help Search altera.com								
🚖 Hardware Setup	No Hardware	Mode:	JTAG	•	Progress:			
Enable real-time ISP to allow background programming when available								
[₽] [™] Start	File	Device	Checksun	n Usercode	Program/ Configure	Verify	Blank- Check	Examine
■ [™] Stop	output_files/top.pof	10M08SAU169	02661F1D	0008BD10	\checkmark			
Auto Detect	CFM0							
X Delete	UFM	r						
			Create JAM, JBC, SVF or ISC file					
Change File	<		File name: top.svf					>
			File format: Serial Vector Format (.svf)				•	
Save File		Operation Programming o			options			
Add Device	(intel)	Program		Blank-check				
1 ^ካ Up				✓ Verify				
1 th Down			0 ve)		remy		_	
	10M08SAU	Clock frequecy						
	↓	TCK frequency: 15.0 MHz						
				Supply voltage: 3.3 volts				
					ОК	Cancel		

Use MBFTDI SVF Player https://github.com/marsohod4you/MBFTDI-SVF-Player

- Sources and precompiled binaries are available. Download precompiled binary (mbftdi.exe) and save in the folder where your svf file is located.
 Close all programs which may connect to the used usb port (Quartus, Vivado/Vitis, Putty etc ...)
- 3. Open Windows CMD and go to folder where svf file is located.
- 4. Start Programming by typing: "mbftdi.exe top.svf" where top.svf is the exported svf file. Succesful programming looks like:

d:/mbftdi.exe top.svf mbftdi v1.4 - burn MAX2 CPLD from Altera Vector Programming File *.svf FTDI port to JTAG is used for programming Usage example: mbftdi myfile.svf

Checking for FTDI devices... 2 FTDI devices found - the count includes individual ports on a single chip Assume first device has the MPSSE and open it ... Device: Digilent Adept USB Device A Serial: 405436310724A Hi-speed device (FT232H, FT2232H or FT4232H) detected Configuring port for MPSSE use... Frequency is set to 15MHz (FTDI clk divider 0001), requred 15MHz

JTAG program executed successfully. Press <Enter> to continue