Program DSC with CodeWarrior for MCU ver11.x

It is an important task to program the flash of DSC with application code, the CodeWarrior for MCU ver11.x provides a dedicated tools to program flash of DSC.

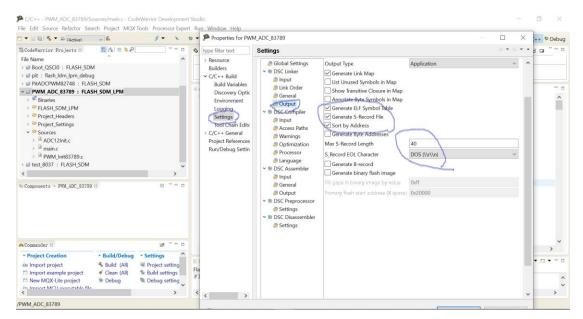
The DOC describes the procedure to program flash of DSC with the tools the CodeWarrior for mcu ver11.x provides.

The DSC with DSP56800E and DSP56800EX can use the tools to program flash, which including the latest MC56F84xxx, MC56F82xxx, MC56F83xxx, MC56F81xxx.

The tools use JTAG to program flash, so it is not required to enter bootloader mode. The On board OSBDM and Multilink Universal even USBTAPP(for MC56F84xxx, MC56F82xxx) devices are supported.

1) generate S-Record file based your application project.

Click "Project->Properties", the properties menu will appear, after you select the items, recompile your project, the S_Record file will be generated.



You can see that the PWM_ADC_83789.elf.s are generated

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2)Launch the programmer

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Components - PWM_ADC_83789 H	biov biov biov vidu vidu vidu vidu vidu vidu vidu vid	<pre>BPIOInit(void); Pitinit(void); SCIInit(void); SCIInit(void); MC567837xx_ISR_PIT0(void); MC567837xx_ISR_SCII_Transmitter(void); MC567837xx_ISR_SCII_Transmitter(void); ClocKconfig(void);</pre>	
Commander 83	e void √	outputCLKOUT (void);	>
Project Creation Build/Debug	• Settings	Console 23 / Search @ Memory Target Tasks	

Then the following menu will appear:

🎾 Flash File To Target	×					
Erase and program flash devices. connection de	evice					
Simplified user interface for Flash Programmer						
Connection						
Connection: & PWM_ADC_83789_FLASH_SDM_LPM_OSJTAG V Edit New						
Flash Configuration File						
MC56F83789.xml V Browse						
Unprotect flash memory before erase						
File to Flash						
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Fill above box, The Connection box is the device with which you connect the board with PC. The File is the S-Record file based on your application code

The Task Name is any word you want

Then click "Erase Whole Device" will erase the chip

Click "Erase and Program" will program the chip with the S_Record file

After the programming is done, press Reset button, the application code will run.

3)Hardware connection:

