TWR 8309 Flash Programming With CodeWarrior

CodeWarrior PA V8.8

1 Connecting to the Target and your Host Computer

- 1.1 To connect the USB TAP cable to the target debug port header
- 1. Turn off the power to the target system.
- 2. Unplug the USB cable from the USB TAP probe.
- 3. Make sure that pin 1 of the gray ribbon cable connector aligns with pin 1 on the target's debug port header.

1.2 Connecting to the Host Computer

- 1. Connect one end of a USB 2.0 cable to a USB port on the host computer.
- 2. Connect the other end of the cable to the CodeWarrior USB TAP probe USB connector.

2 Flash Programming

Select menu TOOLS->Flash Programmer as the Figure 1 Figure 1



Figure 2

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Please change the settings as the Figure 2

2.1 Target configuration

• Select the Processor Family as **mpc83xx**

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• Select the Target Processor as **mpc8349**

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• Selece connection as CodeWarrior USB TAP

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• Select the Use Target Initialiazation

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Select 8309_init.cfg as initialize file.

2.2 Flash Configuration

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Flash memory base address is **fe000000** Device is the **S29Gl256N** Orgnization is the **16M*16*1**

2.3 Erase/Blank Check

• Erase the sectors from **fe000000** to **fe07ffff** for u-boot.bin , selece **fe7e0000-fe7fffff** sector for **iram_mpc8309_r1.bin**



• Click the **erase** button.

Wait for a while ,the status box will show "Erase Command Succeeded ",if succeed.

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2.4 Program/Verify

• Programe the **u-boot.bin**

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- 2. select File Type Binary/Raw Format
- 3. disable Restrict Address Range
- 4. select Apply Address Offset , the offset is Fe000000
- 5. Click **Program** button

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Wait for a while, the status box will show Program Command Succeeded

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• Program the iram_mpc8309_r1.bin

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1.select bin file iram_mpc8309_r1.bin
 2.select File Type Binary/Raw Format
 3.disable Restrict Address Range
 4.select Apply Address Offset ,the offset is Fe7e0000
 5.Click Program button