# BIOS- **Pre-program the image via the Beeprog or any programme**r

# BMC

* 1. **Preprogram**

**Pre-program the image via the Beeprog or any programme**r

* 1. DOS program

under the DOS OS, Execute:

socflash if=wc0001.im

# PLX87xx

Copy the PLX87xx to your USB key then boot to DOS, run the batch file :

U112.bat

u187.bat

U199.bat

# SAS Expander

## Setting Up Your Platform

Hardware Platform:

GreenHills v3 Probe (Black) x 1

Ethernet Cable x 1

Host PC x 1

Target Board (WolfCreek Board)

Software Platform:

OS: Windows

GHS: Multi5.17D

GH Probe FW: V3.7 build 403271

Terminal Client: HyperTerminal/ Procomm Plus Terminal, etc,

which supports 1K-Xmodem protocol.

Package Images:

· multiburn\_16bit\_sxp Flash burning program

· jabil\_wolfcreek\_boot\_update.bin Expander Bootload binary image

· jabil\_wolfcreep\_fem\_sas\_update.bin Expander FW App binary Image

· \etc\sxp12g\_evb\_cs0\_flash.mbs GH Probe setup script

## GHS Probe Downloading

**Step1: Multi-Burn Utility Downloading**

1. Launch Multi Project Manager.

Open “Debug Other Executable” in Multi Project Manager.

2. Select “multiburn\_16bit\_sxp” image from the image package

3. Load “multiburn\_16bit\_sxp” image by reset button

4. Setting up GHS Probe script

**Note:** If you have already setup the script, please skip the step.

Select “sxp12g\_evb\_cs0\_flash.mbs” image from the image package

5. Downloading “multiburn\_16bit\_sxp

6. If have any problem, power cycle GHS Probe and target board, bring up PMC8056 core and repeat the step1 ~ 6 above.

**Step2: NorFlash Images Downloading**

1. After MultiBurn running, specify “jabil\_wolfcreek\_boot\_update.bin” or “jabil\_wolfcreek\_fem\_sas\_update.bin” images with the absolute directory, and after choose menu shows up, enter ‘1’ to start the downloading.

2. After image downloading finished, you could enter the next image name to start the new session.

# LSI 3008

## Setting Up Your Platform

Hardware Platform:

Host PC x 1

Target Board (WolfCreek Board)

Software Platform:

OS: DOS\Windows

LSI DOS utility: sas3flsh.exe

Package Images:

· \dos\mptsas3.rom LSI3008 BIOS binary image

· \dos\SAS9300\_8e\_IT.bin LSI3008 Firmware image

· \dos\sas3flsh.exe LSI3008 dos utility

· \dos\ WWN.BAT LSI3008 wwn programming batch example file

· \window LSI3008 windows driver

## LSI3008 Firmware Downloading

**Step1: Enter DOS environment after system brings up**

**Step2: Under DOS prompt**

“sas3flsh -biosall mptsas3.rom” Update all lsi3008 bios image

“sas3flsh -fwall sas930~1.bin” Update all LSI3008 FW image

“sas3flsh -cpci x:x:x -o -sasadd aabbccddeeffgghh” Update WWN with specified LSI3008, total 11 LSI3008.

[x:x:x]: select a controller by PCI bus:device:function

[aabbccddeeffgghh]: SAS address

**Note**: WWN.BAT is an example file to program WWN.

## LSI3008 Window Driver Install

**Step1: Enter Windows environment after system brings up**

**Step2: Install LSI3008 driver under \windows directory**

# CPLD

# I350

## Config ROM programming

Under the DOS, execute

eeupdate /nic=1 /d 2c2sNman.hex

will programming the whole chipset configuration.

## MAC Address Assign

Under the DOS, execute

eeupdate /nic=1 /mac=AABBCCDDEEFF

will program the first port MAC address. (AABBCCDDEEFF base on the label, if no label assigned, no need to execute this command)

eeupdate /nic=2 /mac=AABBCCDDEEFF

will program the second port MAC address

eeupdate /nic=3 /mac=AABBCCDDEEFF

will programm the third port MAC address