FAQ / Application Note
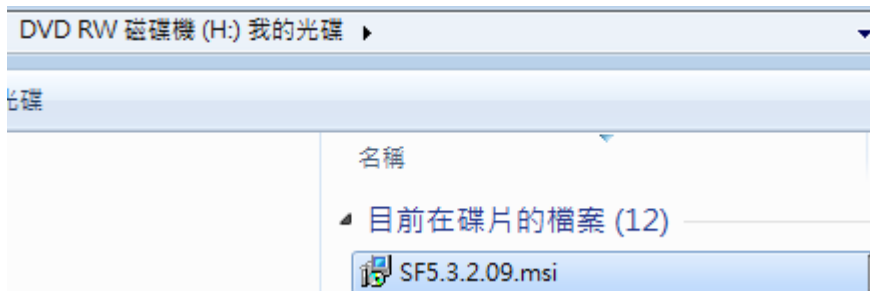
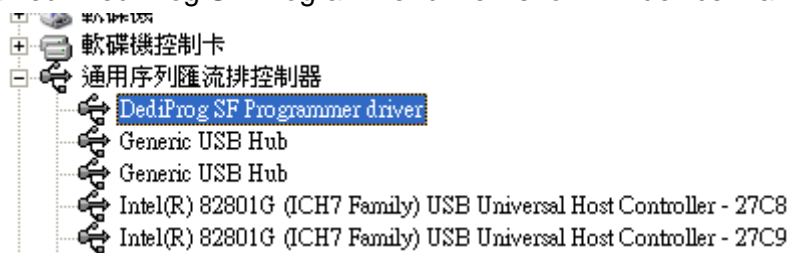| **Subject : How to use SF100 flash BIOS on EQM-CDV**	
FAQ Document No: YXXXXX	**Date: 2013/07/26**
Model Name. EQM-CDV	**Rev.** A1
Category: ☐General ■H/W ☐S/W ☐Others, ___setting___	
Purpose : **Help customer to program BIOS file to SPI flash chip.**	

Prepare a PC and install "DediProg Engineering" on your PC.

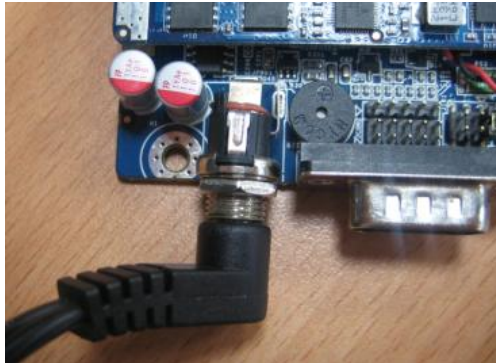1, plug SF100 to your PC

2, install AP (driver included)

3, open device manager, install driver of DediProg **manually**

Find driver at folder named "**WinUsbDrvier**" in DVD ROM

4, there will be the device named "DediProg SF Programmer driver" shown in device manager.

5, there will be a shortcut show on program file and desktop.

Set up EEV-Q701

1, Remove AT jumper on **JFPT1**, changing the board to ATX mode.

2.3.6   AT/ATX & Miscellaneous setting connector (JFPT1)

*Default

2, Confirm the jumper on **JBIOS1**, make sure EEV-Q701 loads the BIOS file on EQM module

2.3.7   Module/Carrier BIOS selector (JBIOS1)

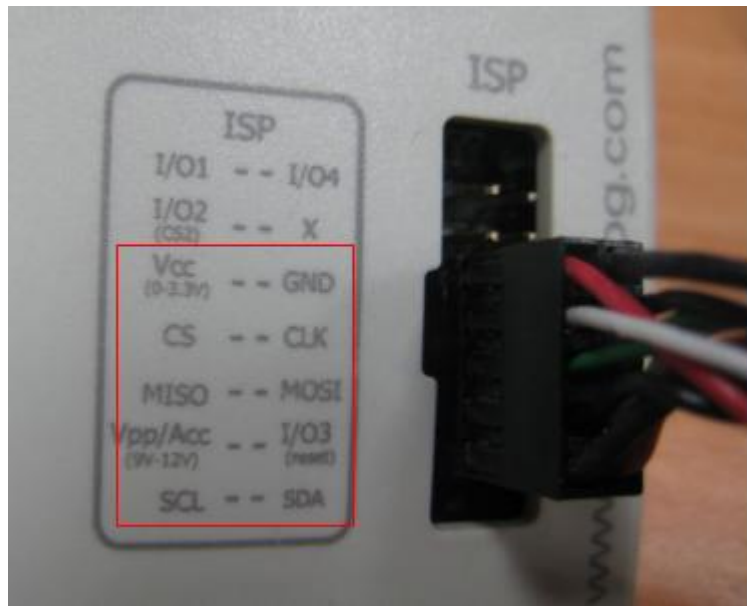*Default

3, offer power to EEV-Q701

Connect SF100 to EEV-Q701

A, find a pin-to-pin cable, you can use the USB cable that in avalue cable kit (e.g. ECM-CDV cable kit)
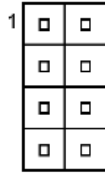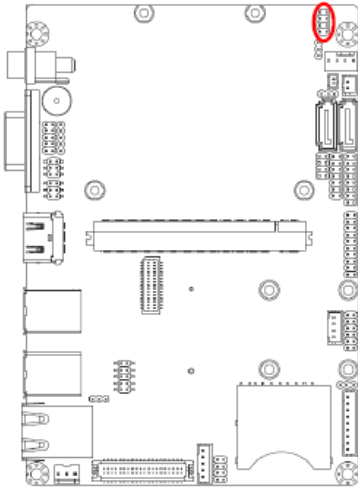

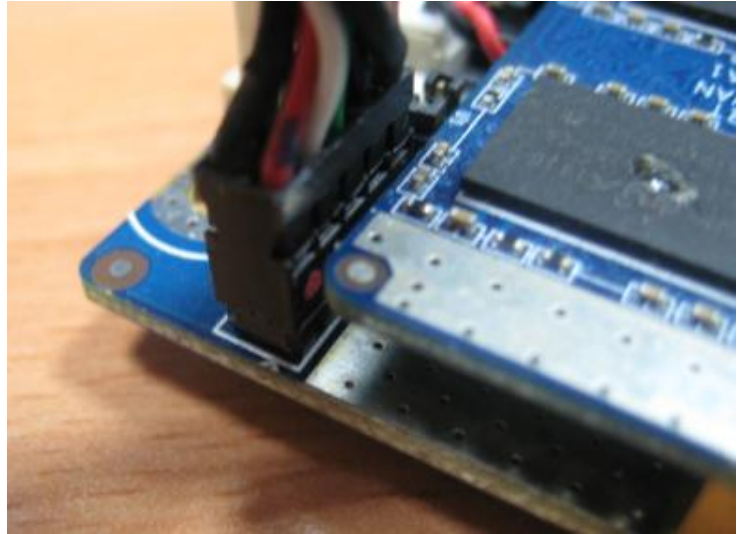B, plug pin-to-pin cable on SP100, confirm Pin1 is correct

C, plug pin-to-pin cable on EEV-Q701 **JSPI1**, confirm Pin1 is correct

2.3.23 SPI connector (JSPI1)

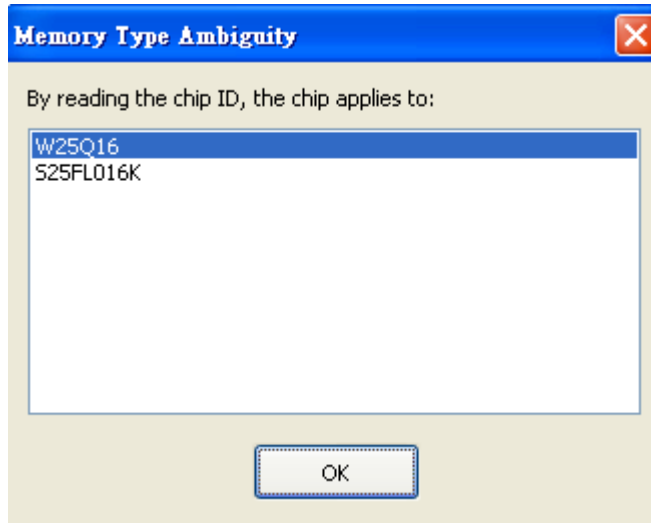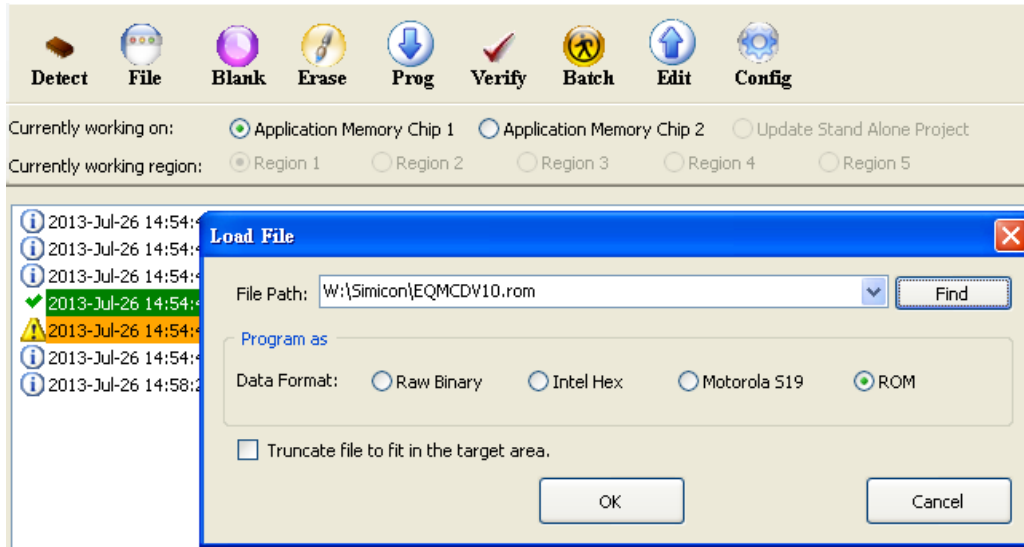| Signal	PIN	PIN	Signal
+3.3V	1	2	GND
CS#	3	4	CLK_C
SO_C	5	6	SI_C
HOLD#	7	8	NC

Flash procedure

1, execute "DediProg Engineering" on your PC

2, when it shows up the W25Q16 chip ID was recognized, please press "OK"

3, In "**DediProg Software 5.3.2.9**"

A, press "**File**" to find the BIOS file you are going to flash on EQM-CDV

B, press "**Batch**", it will erase BIOS in SPI chip (W25Q16), and program new BIOS file in "W25Q16"

5, after finish BIOS program, please

    1, remove the cable on **JSPI1**,

    2, add the jumper back to **JFPT1**, set system as AT mode.

6, power on EQM-CDV

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