FAQ / Application Note

Subject : Rework ECM-LX800 to support PWM backlight inverter.

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FAQ Document No: H12001	**Date: 2012/01/17**
Model Name. ECM-LX800A/B	**Rev.** A1

Category: ☐General ■H/W ☐S/W ☐Others, ___Display___

Purpose :
ECM-LX800 doesn't support PWM backlight inverter, but we can use FANPWM signal in winbond W83627 SuperIO as backlight PWM control signal.

There is a Super IO named Winbond 83627HG which supports two channels FAN speed control signals on ECM-LX800. Both of two channels are reserved. Therefore, we can use the FAN speed control signal (FANPWM2) as PWM backlight control signal.
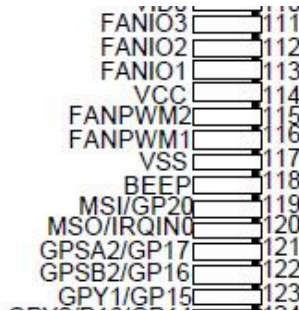
Both of hardware and software have to modify.

1, Software: please contact Avalue Tech support Team (provide DOS test program)

2, Hardware:

- Remove the jumper on JVR
- Fly a wire from Winbond 83627HG Pin-115 (W83627HG FANPWM2, 0V~5.0V) to JVR Pin-2.
    Note: Remove the connector located on JBKL can help you to solder the fly wire.
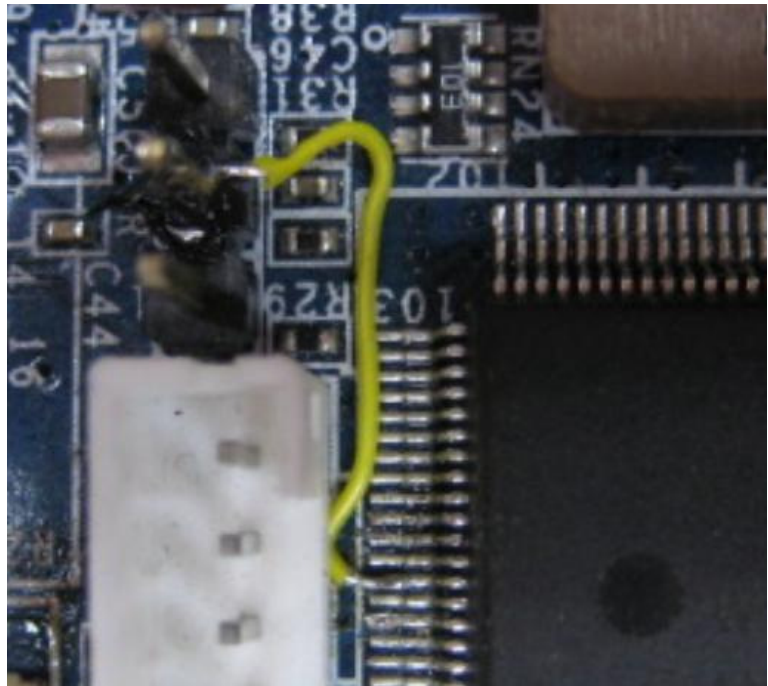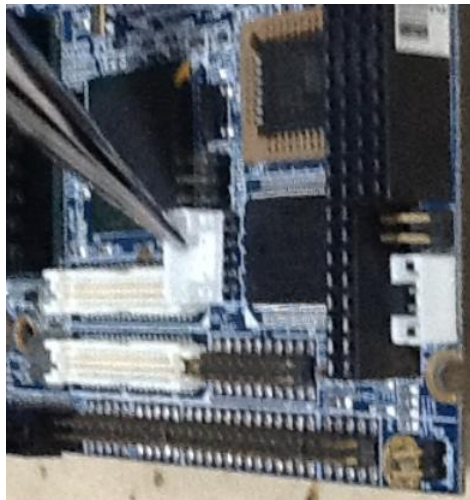
- After you done the change, please keep JVR open.