Dear customer,

This letter belongs to the ON semiconductor Evaluation kit package of the AMIS3062x/NCV7062x stepper motor driver devices.

The memory stick contains the Evaluation kit software GUI version V3.3.1. The software package is intended for use with Windows XP or Windows 7.

In this software version the AMIS30621, AMIS30622, AMIS30623, AMIS30624 and the new NCV70627 are supported.

The Evaluation kit makes use of the motherboard to which you can mount a piggy back module that contains the device type that you like to evaluate.

How to install the GUI software V3.3.1:

Please copy the files from the memory stick to a local folder on your computer.

Unzip the .CAB file.

Close all programs that are running and execute the setup.exe. Follow the instructions.

Note: Sometimes it might happen that the .dll files cannot be installed because Windows is seeing that other programs are still open. Please ignore this message and continue the installation.

This should finally result in the new executable version V3.3.1.

If the software is installed properly, you can run the executable version: AMIS-3062x-EvalKit_GUI.exe. Under the help function of the GUI you will find the instructions for setting up the complete Evaluation kit.

Special care to be taken for OTP programming of the NCV70627:

The NCV70627 is of another technology type than the other earlier devices. This means that the NCV70627 OTP memory cannot be programmed as is done for the previous devices. The NCV70627 needs a VBB voltage that is between 13V and 18V instead of 9.5V… 10.5V. This means that the standard delivered net adapter cannot be used for programming. The standard procedure for programming with the rocker switch that is on the Evaluation board is **not** applicable for the NCV70627.

Please use for programming of the NCV70627 a laboratory power supply. It can be connected to the VBAT and PGND test pins. These pins can be found on the Evaluation board. Be aware that in this case the net adapter supply should be disconnected from the Evaluation board. For programming the NCV70627, the rocker switch on the Evaluation board should be kept at the VBB position. This makes it that the device is directly powered from the laboratory power supply.

For any questions please contact our local Field Application Engineers. They are faithful to help you on installing and the evaluation of our devices.

Sincerely,

On Semiconductor

Custom Automotive Business Unit

Motor Driver Application Team