RENESAS Tool News

A Note on Using the Flash Programmer HS0008EAUF1H and Notification of Changing Programming Tools

Please take note of the problem described in Section 1 in using the flash programmer HS0008EAUF1H for the SuperH, H8SX, H8S, and H8 MCU families. In addition, we inform you that we are changing the flash programming tools for these MCU families to other types (see Section 2).
For information on the HS0008EAUF1H, refer to here.

1. Problem

When the HS0008EAUF1H flash programmer with Flash Development Toolkit is used to program the on-chip flash memory of the target MCU, the flash programmer sends the High-state reset signal to the MCU on the user board in the initial state before programming and then the MCU enter the user mode. At this time, the MCU may become unstable.

To resolve this problem, we change the HS0008EAUF1H to the combination of the E8a emulator (R0E00008AKCE00) and Flash Development Toolkit V.4.04 Release 00 or later to program the flash memory on the MCUs that have been supported by the HS0008EAUF1H.
We are going to publish Flash Development Toolkit V.4.04 Release 00 at the end of this September.
For the MCUs supported by the HS0008EAUF1H, refer to here.

The E8a is connected with the host PC via the USB interface the same way as the HS0008EAUF1H. However, the HS0008EAUF1H is equipped with a 20-pin connector for connecting the user system while the E8a is with a 14-pin connector. So if you are using the user board for the HS0008EAUF1H as before, you will have to use the FDM-E8aJ connector (manufactured by HOKUTO DENSHI; converting a 14-pin socket to a 20-pin socket) to connect the user board to the E8a.

2. Changing the Programming Tools

The programming tools will be changed as follows:
  - Changed from:
     The HS0008EAUF1H
  - Changed to:
     The E8a emulator and Flash Development Toolkit
        V.4.04 Release 00 or later

3. Modifications Made to the Specifications
Modifications are made to the specifications for controlling the reset signal to the MCU before and after programming flash memory as described below.

3.1 Specifications before Modified
In the initial state before programming, the flash programmer sends the High-state reset signal to the MCU. At this time, the MCU enters the user mode depending on the settings in the user board.

3.2 Specifications after Modified
In the initial state before programming, the E8a sends the Low-state reset signal to the MCU. Whether the E8a sends the High- or Low-state reset signal to the MCU after programming depends on the settings in the Flash Development Toolkit.

4. Using the E8a and Flash Development Toolkit V.4.03 Release 01 or Earlier
In the initial state before programming, the E8a sends the Low-state reset signal to the MCU. So the MCU stays in the reset state; not enters to the user mode.
If Flash Development Toolkit V.4.03 Release 01 is updated to V.4.03 Release 02, the same specifications as in Section 3.2 are applied.

Flash Development Toolkit V.4.03 Release 02 is going to be published at the beginning of July 2009. We will inform you of the publication date on Renesas Tool News issued in this July.

5. Schedules of Changing the Programming Tools
The schedules of changing the programming tools are as follows:
(1) At the End of September 2009
    Flash Development Toolkit V.4.04 Release 00 to be published
      and the change of the programming tools involved started.
(2) In December 2009
    Marketing of the HS0008EAUF1H discontinued.

(3) At the end of March 2010
An unfixed version of Flash Development Toolkit to be published
(see NOTES 1 and 2).

NOTES:
1. MCUs will be added to the support line of the HS0008EAUF1H and this Flash Development Toolkit; not be added in the later versions.
2. On and after this version, flash development toolkits will not support the HS0008EAUF1H; the HS0008EAUF1H will be removed from the list of the hardware tools supported by flash development toolkits.

6. Technical Support

Even after discontinuing marketing of the HS0008EAUF1H, technical inquiries will be acceptable. So ask your local Renesas Technology sales office or distributor.

7. Purchasing the HS0008EAUF1H

If you are going to purchase the HS0008EAUF1H, also ask us at csc@renesas.com by the e-mail on the following subject:

Subject: "On marketing of the HS0008EAUF1H discontinued"