RENESAS Tool News

E8a Emulator Software Revised to V.1.02 Release 00

We have revised the emulator software for the E8a on-chip debugging emulator from V.1.01 Release 02 to V.1.02 Release 00. The E8a emulator and E8a Emulator Software are used for the M16C, R8C, H8S, H8, and 740 MCU families.

1. Descriptions of Revision

1.1 An Emulator Debugger Introduced

The following emulator debugger has been introduced to E8a Emulator Software:
 - R32C E8a Emulator Debugger V.1.00.00

1.2 Emulator Debuggers Revised

The following emulator debuggers, included in the emulator software, have been revised:
 - M32C E8a Emulator Debugger to V.1.02.00
 - M16C E8a Emulator Debugger to V.1.02.00
 - R8C E8a Emulator Debugger to V.1.02.00
 - 740 E8a Emulator Debugger to V.1.02.00
 - H8 Tiny/Super Low Power E8a Emulator Debugger to V.1.03.00

Note that H8S/Tiny E8a Emulator Debugger V.1.00.00, which is also included in the emulator software, remains not revised.

1.3 Supported MCUs Increased

The following MCUs have been added to the support line:
(1) In the R32C/100 series
 R5F64110, R5F64111, R5F64112, R5F64114, R5F64115,
 R5F64116, and R5F6411F (the R32C/111 group)
 R5F64165, R5F64166, R5F64167, R5F64168, and R5F64169
  (the R32C/116 group)
 R5F64175, R5F64176, R5F64177, R5F64178,and R5F64179

(the R32C/117 group)
R5F64187, R5F64188, and R5F64189 (the R32C/118 group)

(2) In the M32C/80 series
M308B6FC, M308B8FC, M308B6FG, and M308B8FG (the M32C/8B group)

(3) In the M16C/60 series
R5F3640M (the M16C/64 group)

(4) In the R8C family
R5F21286 (the R8C/28 group)
R5F21296 (the R8C/29 group)
R5F21321A, R5F21322A, and R5F21324A (the R8C/32A group)
R5F21331A, R5F21332A, R5F21334A, R5F21335A, and R5F21336A
  (the R8C/33A group)
R5F21354A, R5F21355A, and R5F21356A (the R8C/35A group)

1.4 Functions Introduced and Modified

(1) In R32C E8a, M32C E8a, M16C E8a, R8C E8a, and 740 E8a emulator
debuggers, the auto-update function of the Memory window is
usable, which is supported by High-performance Embedded Workshop
V.4.05. In addition, the time interval of auto-updating the
Watch window has been shortened.

(2) In M16C E8a and R8C E8a emulator debuggers, the OS Object window
of High-performance Embedded Workshop is usable.

(3) In R8C E8a Emulator Debugger, The MR window of High-performance
Embedded Workshop is usable.

1.5 Problems Fixed

The following problems have been fixed:
(1) With debugging systems designed with any member of the M32C/80 MCU
series (a problem in M32C E8a Emulator Debugger)
For details see RENESAS TOOL NEWS Document No. 080316/tn2 at:
  http://tool-support.renesas.com/eng/toolnews/080316/tn2.htm

(2) With debugging target systems designed with the M16C family of MCUs
(a problem in M16C E8a Emulator Debugger)
For details see RENESAS TOOL NEWS Document No. 080401/tn4 at:
  http://tool-support.renesas.com/eng/toolnews/080401/tn4.htm

(3) With debugging target systems designed with MCUs of the R8C/2G

or R8C/2H group (a problem in R8C E8a Emulator Debugger)
For details see RENESAS TOOL NEWS Document No. 080216/tn3 at:
http://tool-support.renesas.com/eng/toolnews/080216/tn3.htm

(4) With using the IO files for the R8C/2A, /2B, /2C, and /2D groups
included in the debuggers for the R8C/Tiny MCU Series (another
problem in R8C E8a Emulator Debugger)
For details see RENESAS TOOL NEWS Document No. 080616/tn8 at:
http://tool-support.renesas.com/eng/toolnews/080616/tn8.htm

(5) In H8 Tiny/Super Low Power E8a Emulator Debugger, the initial
value to which the SYSCR1 register is set has been modified.
The SYSCR1 register is set to this value when the ResetCPU
command is executed in the H8/38602RF MCU.

2. How to Update Your Product

Online update is available free of charge.
Download the update program to the revised product from the Web site at:
http://www.renesas.com/en/e8a_download
Then execute it. This site will be opened from February 5 on.

NOTICE:
Only the six debugger package versions for the five revised
debugger and one newly introduced debugger are published as the
V.1.02 Release 00 product. (The full package version is not published.)
The debugger package versions contain an E8a emulator debugger and the
user's manual.
It does not include High-performance Embedded Workshop, so install the
emulator software on the development environment where High-performance
Embedded Workshop V.4.04.01 or later already resides.