

RENESAS TOOL NEWS on February 16, 2009: 090216/tn6

## Hardware Tools Released in the First Half of February 2009

We released the hardware tools described below in the first half of February 2009

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### 1. For the M16C/65 and /64A Groups, M16C/60 MCU Series

Four combinations of the E100 emulator; and an MCU unit and converter board for the M16C/65 and /64A groups:

#### (1) R0E530650EMU01 (for the 100-pin 0.65-mm-pitch QFP package)

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the M16C/65 and /64A groups--R0E530650MCU00
- The converter board for connecting the 100-pin 0.65-mm-pitch QFP package--R0E0100TNPFJ00

#### (2) R0E530650EMU02 (for the 100-pin 0.5-mm-pitch LQFP package)

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the M16C/65 and /64A groups--R0E530650MCU00
- The converter board for connecting the 100-pin 0.5-mm-pitch LQFP package--R0E0100TNPFK00

#### (3) R0E530650EMU03 (for the 128-pin 0.5-mm-pitch LQFP package)

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the M16C/65 and /64A groups--R0E530650MCU00
- The converter board for connecting the 128-pin 0.5-mm-pitch LQFP package--R0E530650CFK10

#### (4) R0E530650EMU04 (for the 80-pin 0.65-mm-pitch LQFP package)

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the M16C/65 and /64A groups--R0E530650MCU00
- The converter board for connecting the 80-pin 0.65-mm-pitch LQFP package--R0E530650CFJ30

## **2. For the R8C/3x Series, R8C MCU Family**

Six combinations of the E100 emulator; and an MCU unit and converter board for the R8C/3x Series:

### **(1) R0E521300EMU01 (for the 80-pin 0.5-mm-pitch LQFP package used in the R8C/38E, /38F, /38G, and /38H groups)**

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 80-pin 0.5-mm-pitch LQFP package--R0E53038ACFK30

### **(2) R0E521300EMU02 (for the 64-pin 0.5-mm-pitch LQFP package used in the R8C/36E, /36F, /36G, and /36H groups)**

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 64-pin 0.5-mm-pitch LQFP package--R0E53036ACFK40

### **(3) R0E521300EMU03 (for the 52-pin 0.65-mm-pitch LQFP package used in the R8C/35A group)**

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 52-pin 0.65-mm-pitch LQFP package--R0E53035ACFJ50

### **(4) R0E521300EMU04 (for the 48-pin 0.5-mm-pitch LQFP package used in the R8C/34E, /34F, /34G, and /34H groups)**

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 48-pin 0.5-mm-pitch LQFP package--R0E53034ECFK60

### **(5) R0E521300EMU05 (for the 32-pin 0.8-mm-pitch LQFP package used in**

**the R8C/33A group)**

Components:

- The E100 emulator--R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 32-pin 0.8-mm-pitch LQFP package--R0E53033ACFG90

**(6) R0E521300EMU06 (for the 20-pin 0.65-mm-pitch LSSOP package used in the R8C/32A group)**

Components:

- The E100 emulator-- R0E001000EMU00
- The MCU unit for the R8C/3x series--R0E521300MCU00
- The converter board for connecting the 20-pin 0.65-mm-pitch LSSOP package--R0E53032ACSJC0

**3. Ordering Information**

Product Type	Type Name
R0E530650EMU01	As left
R0E530650EMU02	As left
R0E530650EMU03	As left
R0E530650EMU04	As left
R0E521300EMU01	As left
R0E521300EMU02	As left
R0E521300EMU03	As left
R0E521300EMU04	As left
R0E521300EMU05	As left
R0E521300EMU06	As

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