

A Note on Using the Emulator Software Products for the E8a and E8 Emulators

Please take note of the following problem in using the emulator software products for the E8a and E8 on-chip debugging emulators:

- With debugging target systems designed with the M16C family of MCUs
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1. Products and Versions Concerned

- E8a Emulator Software
V.1.00 Release 00 and V.1.01 Release 00
- E8 Emulator Software
V.2.01 Release 00 through V.2.11 Release 00

2. Description

When target systems designed with MCUs of the M16C family are debugged, interrupts that have lower priorities than the processor interrupt may be acknowledged if interrupts are requested.

3. Conditions

This problem occurs if the following conditions are all satisfied:

- (1) The M16C E8a Emulator Debugger or the M16C E8 Emulator Debugger included in the products and versions concerned is running.
- (2) In the target system is used an MCU in any of the following MCU series:
 - M16C/Tiny series
 - M16C/60 series
 - M16C/30 series
- (3) The Interrupt Enable flag in the flag register is set to 1 (enabled) in the interrupt routine.
- (4) PC breakpoints are set in the interrupt routine.

4. Workaround

In the interrupt routine, use Event breakpoints instead of PC breakpoints.

5. Schedule of Fixing the Problem

We plan to fix this problem in the next release of the products concerned.

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