RENESAS Tool News

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A Note on Using Compact Emulators and MCU Boards for the 4500 MCU Series

Please take note of the following problem in using the M34519T2-CPE and M34552T2-CPE compact emulators; and the M34519T-MCU and M34524T-MCU MCU boards (used for the 4500 MCU Series):

- On the initial conditions of ports

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1. **Products Concerned**

Product Type	Lot Nos. Concerned
M34519T2-CPE Compact emulator *	3CS001--3CS020, 4AS0021--4AS0030, 4BS0031--4BS0040
M34552T2-CPE Compact emulator **	3FS001--3FS020, 4AS0021--4AS0030, 4BS0031--4BS0040, 4CS0041--4CS0060
M34519T-MCU MCU board * (a board for the PC4504 emulator)	2JS001--2JS030, 3BS031--3BS040, 3ES041--3ES050, 4AS0051--4AS0055, 4FS0056--4FS0060
M34524T-MCU MCU board *** (a board for the PC4504 emulator)	1KS001--1KS020, 2DS001, 2IS002--2IS011

Notes:

*   For the 4518, 4519, 4583, and 4584 MCU groups

** For the 4552, 4553, and 4584 MCU Groups

*** For the 4524 and 4554 MCU groups

2. Description

From reset on through leaving reset to program starts (address 0 in page 0)*, Port (P00-P03, P10-P13, and D0-D5) state is "L" level.

NOTE:

* In the M34519T2-CPE, this time period is from reset on through leaving reset to the 124th clock of the XIN input.

The differences between the actual MCUs and the products concerned in their output levels are shown below.

	From Reset On Through Leaving Reset up to Program	After Program Starts
Actual MCUs	High-impedance	High-impedance (until setting output levels of ports)
Products Concerned	LOW level	High-impedance (until setting output levels of ports)

NOTE: This symptom does not appear in the other ports.

3. Solution

We are remodeling the products concerned free of charge and will inform you when we start the remodeling later in our tool news.