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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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Customer Notification

IE-780701-NS-EM1

Emulation Board

Operating Precautions

Target Devices

μPD780701Y Subseries

μPD780703Y Subseries

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(A) Table of Operating Precautions

| No. | Outline | IE-780701-NS-EM1 | | |
|-----|---|------------------------------|---|---|
| | | Rev. | | |
| | | Control Code ^{Note} | A | B |
| 1 | Emulation of μ PD780703Y and 78F0703Y cannot be performed | X | X | ✓ |
| 2 | Illegal Timer5n interrupt | X | ✓ | ✓ |
| 3 | Lock status during IEBus operation | X | ✓ | ✓ |
| 4 | DCAN operation | X | ✓ | ✓ |
| | | | | |
| | | | | |

✓ : Not applicable

X : Applicable

Note: The control code is the **second letter** from the left of the 10 digit serial number (version that have not been upgraded). For upgraded versions, an upgrade label is affixed to the product. The version-up label on this sticker corresponds to the actual control code (i.e. the X in the V-UP LEVEL X indicates the control code X).

Caution: **Pls. refer to and reconsider the Operating Precautions mentioned in the Customer Notifications of the according devices, to which this probe board belongs.**

(B) Description of Operating Precautions

| | |
|-------|---|
| No. 1 | Emulation of μ PD780703Y and 78F0703Y cannot be performed |
| | <p><u>Details</u> Emulation of μPD780703Y and 78F0703Y can be performed from control code “C” onwards.</p> <p><u>Workaround</u> There is no workaround.</p> |
| No. 2 | Illegal Timer5n interrupt |
| | <p><u>Details</u> When the timer is stopped immediately after the overflow interrupt (INTTM5) is generated in PWM mode (TCE5 = 0), noise will occur in the interrupt signal and an illegal interrupt may be generated.</p> <p><u>Workaround</u> There is no workaround.</p> |
| No. 3 | Lock status during IEBus operation |
| | <p><u>Details</u> If lock-related control data is received from the station that required a lock, while the local station is in lock status during IEBus operation, and the transmission or frame is terminated, the operation results in the release of the lock status.</p> <p><u>Workaround</u> There is no workaround.</p> |
| No. 4 | DCAN operation |
| | <p><u>Details</u> If a station has lost in a conflict and is specified as a slave station by the winning station after a broadcast master request is issued during DCAN operation, no error flag is set and no error interrupt is generated even when a parity error is detected in the data field of the communication.</p> <p><u>Workaround</u> There is no workaround.</p> |

(C) Revision History

| Item | Date pulished | Document No. | Comment |
|-------------|----------------------|---------------------|--|
| 1 | June 28, 2002 | TPS-LE-B-0T0701 | First release in new format. |
| 2 | June 13, 2005 | TPS-LE-OP-0T0701 | This document is a replacement of the document TPS-LE-B-0T0701 Caution added on page 5 |
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