

V850E/Sx3-H Microcontrollers Usage Restrictions	Document No.	ZBG-BF-09-0020	1/1
	Date issued	December 14, 2009	
	Issued by	Car Audio Solution Development Group Automotive Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents: V850E/SJ3-H, V850E/SK3-H Hardware User's Manual: U19201EJ3V0UD00 (3rd edition)	Notification classification	√	Usage restriction
			Upgrade
			Document modification
			Other notification

1. Affected products

All V850E/Sx3-H microcontrollers

V850E/SJ3-H: μ PD70F3474, μ PD70F3475, μ PD70F3476,
 μ PD70F3477, μ PD70F3478, μ PD70F3479,
 μ PD70F3931, μ PD70F3932, μ PD70F3933,
 μ PD70F3934, μ PD70F3935, μ PD70F3936,
 μ PD70F3937, μ PD70F3938, μ PD70F3939

V850E/SK3-H: μ PD70F3480, μ PD70F3481, μ PD70F3482,
 μ PD70F3486, μ PD70F3487, μ PD70F3488,
 μ PD70F3925, μ PD70F3926, μ PD70F3927

2. Notification

The following restriction for the V850E/Sx3-H microcontrollers has been found.

No. 1 Restriction on bus hold function

Description:

When the HLDRQ pin is asserted (low level), indicating that another bus master has requested bus mastership, four external bus pins of port CT (WR0, WR1, RD, and ASTB) that should enter a high-impedance state do not, but instead become high level. As a result, the bus hold function becomes unusable.

Workaround:

There is no workaround.

Do not use the bus hold function.

3. Document revision history

Document Number	Issued on	Description
ZBG-BF-09-0020	November 30, 2009	1st edition. Restriction no. 1

V850E/Sx3-H Microcontroller Usage Restrictions

No.	Restriction	Nickname	Product	Note	Development Environment in Which the Restriction Can Be Worked Around
1	Restriction on bus hold function	V850E/Sx3-H	All products	△	–

Note Whether or not the restriction applies

Remark The meaning of each symbol for **Note** is as follows:

- : Restriction does not apply
- : Restriction is already corrected
- ×: Restriction applies (correction is planned)
- △: Restriction applies (correction is not planned)

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