

This document is a compilation of the restrictions of the corresponding products that have already been reported, and will be utilized in the NEC microcomputer technical document browsing service. All the restrictions as of October 31, 2001 are included.

## NEC Microcomputer Technical Information

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IE-78078-R-EM Emulation Board for $\mu$ PD78078, 78083 Subseries Usage Restrictions		Document No.	SBG-TT-0015-E	1/1
		Date issued	October 31, 2001	
		Issued by	Microcomputer Tool Group Sales Engineering Division NEC Electron Devices NEC Corporation	
Related documents	User's manual U10775JJ2V0UM00 (Japanese) U10775EJ2V0UM00 (English)	Notification classification	<input checked="" type="checkbox"/>	Usage restriction
			<input type="checkbox"/>	Upgrade
			<input type="checkbox"/>	Document modification
			<input type="checkbox"/>	Other notification

1. Affected products

All models of the IE-78078-R-EM

2. List of restrictions

A list of usage restrictions in the IE-78078-R-EM, including the revision history and detailed information, is described on Attachment 1.

## List of Usage Restrictions in IE-78078-R-EM

### 1. Product Version

Product name: IE-78078-R-EM

Board Version <sup>Note</sup>	Remark
1.00	
1.10	
1.21	

**Note** The board version is indicated by the version number (VERx.xx) on the board surface.

### 2. Product History

No.	Bugs and Changes/Additions to Specification	Board Version		
		1.00	1.10	1.21
1	Bug in latchup circuit operation	×	×	√
2	Bug in ASTB/ $\overline{\text{RD}}$ / $\overline{\text{WR}}$ output in the external expansion mode	×	×	√
3	Bug in external sense clip	×	√	√

×: Applicable, √: Not applicable

### 3. Details of Usage Restrictions

No. 1 Bug in latchup circuit operation

[Description]

The latchup circuit operates if two or more pins among P4, P5, and P6 are reset when the circuit is suspended on a +5 V power supply.

[Workaround]

This bug has been corrected in board version 1.21.

No. 2 Bug in ASTB/ $\overline{\text{RD}}$ / $\overline{\text{WR}}$  output in the external expansion mode

[Description]

The ASTB/ $\overline{\text{RD}}$ / $\overline{\text{WR}}$  signals are not output even when the external expansion mode is set.

[Workaround]

This bug has been corrected in board version 1.21.

No. 3 Bug in external sense clip

[Description]

The external sense clip cannot be used when the probe for the  $\mu$ PD78083 is connected.

[Workaround]

This bug has been corrected in board version 1.10.

#### **4. Other Cautions**

Refer to the bugs reported in the following documents.

- (1) UART related bugs (SBG-T-1194)
- (2) A/D converter related bugs (SBG-T-1211)
- (3) Interrupt related bugs (SBG-T-1213)
- (4) Serial interface related bugs (SBG-T-1218)