NEC

Customer Notification

QB-V850EIX3

In-Circuit Emulator

Operating Precautions

Target Device:

V850E/IF3
V850E/IG3

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(A) Table of Operating Precautions

No.	Outline	Rank^Note	µPD70F3451, µPD70F3452 µPD70F3453 µPD70F3454 Rev.	
			I	
1	Interrupts Input INTP14, INTP15, INTP16 may not be acknowledged (Specification Change Notice)		✗	

✓ : Not applicable

✗ : Applicable

Note: The rank is indicated by the letter appearing at the 5th position from the left in the lot number, marked on each product.

(B) Description of Operating Precautions

No. 1	Interrupts Input INTP14, INTP15, INTP16 may not be acknowledged (Specification Change Notice)
	Details If digital noise elimination is disabled for the following pins (signals), interrupts input from these pins may not be acknowledged on the microcontroller side. • INTP14, INTP15, INTP16 • Signals which are input via the ANI05, ANI015, ANI016 or ANI017 pin and output from a comparator. Register settings to which the restriction applies: • Bit 7 of INTNFC14, INTNFC15 or INTNFC16 register (corresponding to INTP14, INTP15, INTP16) = 0 • Bit 7 of CMPNFCnL = 0 (n = 0 or 1) • Bit 7 of CMPNFCnF = 0 (n = 0 or 1) The Hi-Z signal output from the comparator, resulted from the input from the ANI05, ANI015, ANI016 or ANI017 is acknowledged normally. This restriction does not apply to other interrupts signals. *Workaround* In order to achieve an signal acknowledgement enable digital noise elimination for the pins or signals in question by setting following register: • Set bit 7 of the INTNFC14, INTNFC15 or INTNFC16 register = 1 • Set bit 7 of CMPNFCnL = 1 (n = 0 or 1) • Set bit 7 of CMPNFCnF = 1 (n = 0 or 1) At the same time, select an appropriate sampling clock for the digital noise elimination.

(C) Valid Specification

Item	Date published	Document No.	Document Title
1	August 2007	U18279EJV0UD00	V850E/IF3, V850E/IG3 Hardware (User's Manual)
2	February 2004	U14559EJ3V1UM00	V850E1 Architecture (User's Manual)

(D)   Revision History

Item	Date published	Document No.	Comment
1	May. 13, 2008	TPS-HE-B-4280	First release.