Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

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

April 1st, 2010 Renesas Electronics Corporation

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

Send any inquiries to http://www.renesas.com/inquiry.

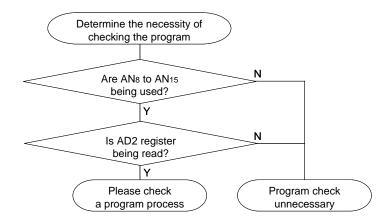
RENESAS TECHNICAL UPDATE

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Product Category	MPU&MCU			Document No.	TN-380-A067B/E	Rev.	2.00
Title	Note on 3803 Group A/D Converter (Addition to applicable products)			Information Category	Technical Notification		
			Lot No.				
Applicable Product	See below			Reference Document			
The following note applies to the AD Conversion Register 2 (address 003816) in the 3803 Group MCU.							
This note does not apply to 3803 Group products (Standards, Spec.H, and Spec.L) other than those listed above.							
1. Applicable Products * 3803 Group (Spec.H) QzROM version was added in second revision.							
3803 Group (Spec.L) Mask ROM version M38039MFL-XXXHP/KP/SP/WG							
3803 Group (Spec.H) Mask ROM version M38039MCH-XXXFP/HP/KP/SP							
M38039MFH-XXXFP/HP/KP/SP/WG							
3803 Group (Spec.H) QzROM version M38039GCH			39GCH-X	XXXHP/KP/WG			
M38039G8H-XXXHP/KP							
M38039G6H-XXXHP/KP							
M38039G4H-XXXHP/KP							
M38039GCHSP/HP/KP/WG							
M38039G8HSP/HP/KP							
M38039G6HSP/HP/KP							
M38039G4HSP/HP/KP							
2. Note The value written to the analog input pin selection bit 2 (bit 4 in the AD/DA control register (address 003416)) is							
simultaneously written to bit 4 in AD conversion register 2 (address 003816). Therefore, when the analog input pin							
selection bit 2 is set to "1" (AN ₈ to AN ₁₅ selected), bit 4 in the AD conversion register 2 becomes "1" when read.							
AD/DA control register (ADCON) (address 003416) Analog input pin selection bit 2 0: ANo to AN7 selected							
	AD conversion register 2 (AD2) (address 003816)		: AN8 to AN1 60 69 69 69 69 60 60 60 60 60 60 60 60 60 60 60 60 60	The two high- when 10 bits a			ult
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3. Determining the necessity of checking a program

Please check if this note causes problems or not according to the following flow.



< Example >

The above occurs when reading 10 bits in 10-bit A/D mode, the AD conversion register 2 read value is used as-is, and the AD conversion result is calculated in 16-bit units.

4. Future schedule

The 3803 Group (Spec.H) QzROM version (see page 1 for product name) will be redesigned and shipped from 4th Quarter 2008. Contact the Renesas Technology sales department for the redesign schedule and product identification.

The redesigned version of the 3803 Group (Spec.L) M38039MFL-XXXHP/KP/SP/WG will be shipped for ROM received after mid-July, 2008. Contact the Renesas Technology sales department for a detailed schedule and product identification. There are no plans to redesign the 3803 Group (Spec.H) Mask ROM version.

