

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A139A/E	Rev.	1.00
Title	Errata to RX230 Group, RX231 Group User's Manual Regarding I/O Ports		Information Category	Technical Notification		
Applicable Products	RX230 Group, RX231 Group	Lot No.	Reference Document	RX230 Group, RX231 Group User's Manual: Hardware Rev.1.00 (R01UH0496EJ0100)		
		All				

This document describes corrections to the RX230 Group, RX231 Group User's Manual: Hardware for removing register descriptions related to port H which is not contained in the specifications.

The corrections are indicated in red in the list below.

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5.1 I/O Register Addresses (Address Order)

Table 5.1 List of I/O Registers (Address Order) (25/43)

The table entry for the PORTH.ODR0 register is deleted as follows:

[Before correction]

Address	Module Symbol	Register Name	Register Symbol	Number of Bits	Access Size	Number of Access Cycles		Reference Section
						ICLK \geq PCLKB	ICLK $<$ PCLKB	
0008 C09Dh	PORTE	Open Drain Control Register 1	ODR1	8	8, 16	2 or 3 PCLKB	2 ICLK	Section 21
0008 C0A2h	PORTH	Open Drain Control Register 0	ODR0	8	8, 16	2 or 3 PCLKB	2 ICLK	Section 21
0008 C0A4h	PORTJ	Open Drain Control Register 0	ODR0	8	8, 16	2 or 3 PCLKB	2 ICLK	Section 21

[After correction]

Address	Module Symbol	Register Name	Register Symbol	Number of Bits	Access Size	Number of Access Cycles		Address
						ICLK \geq PCLKB	ICLK $<$ PCLKB	
0008 C09Dh	PORTE	Open Drain Control Register 1	ODR1	8	8, 16	2 or 3 PCLKB	2 ICLK	Section 21
0008 C0A4h	PORTJ	Open Drain Control Register 0	ODR0	8	8, 16	2 or 3 PCLKB	2 ICLK	Section 21

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21.3.5 Open Drain Control Register 0 (ODR0)

The list entry for the PORTH.ODR0 register and the value "H" for parameter m are deleted as follows:

[Before correction]

PORT1.ODR0 0008 C082h, PORT2.ODR0 0008 C084h, PORT3.ODR0 0008 C086h, PORT5.ODR0 0008 C08Ah,
PORTA.ODR0 0008 C094h, PORTB.ODR0 0008 C096h, PORTC.ODR0 0008 C098h, PORTE.ODR0 0008 C09Ch,
PORTH.ODR0 0008 C0A2h, PORTJ.ODR0 0008 C0A4h

m = 1 to 3, 5, A to C, E, H, J

[After correction]

PORT1.ODR0 0008 C082h, PORT2.ODR0 0008 C084h, PORT3.ODR0 0008 C086h, PORT5.ODR0 0008 C08Ah,
PORTA.ODR0 0008 C094h, PORTB.ODR0 0008 C096h, PORTC.ODR0 0008 C098h, PORTE.ODR0 0008 C09Ch,
PORTJ.ODR0 0008 C0A4h

m = 1 to 3, 5, A to C, E, J