

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A175A/E	Rev.	1.00
Title	Errata to RX Family User's Manuals Regarding the Multi-Function Timer Pulse Unit 3 (MTU3a, MTU3c, and MTU3d)		Information Category	Technical Notification		
Applicable Product	RX64M Group, RX71M Group, RX65N Group, RX651 Group, RX23T Group, RX24T Group	Lot No.	Reference Document	User's Manual: Hardware for applicable products (see the table at the last page)		
		All				

This document describes corrections to the section of the Multi-Function Timer Pulse Unit 3 (MTU3a, MTU3c, or MTU3d) in User's Manual: Hardware for the applicable products.

Page and section numbers are based on the RX64M Group. Refer to the table on the last page for the corresponding page and section numbers in the other groups.

Errata

The bit symbol of the noise filter clock select bit in the MTU0.NFCRC register in section 24.2.33 is corrected as follows.

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Before correction

- MTU0.NFCRC

Address(es): MTU0.NFCRC 000C 1299h

b7	b6	b5	b4	b3	b2	b1	b0
—	—	NFCSC[1:0]	NFDEN	NFCEN	NFBEN	NFAEN	

Value after reset: 0 0 0 0 0 0 0 0

Bit	Symbol	Bit Name	Description	R/W
<i>Omitted</i>				
b5, b4	NFCSC[1:0]	Noise Filter Clock Select	b5 b4 0 0: PCLKA/1 0 1: PCLKA/2 1 0: PCLKA/8 1 1: PCLKA/32	R/W
<i>Omitted</i>				

— *Omitted* —

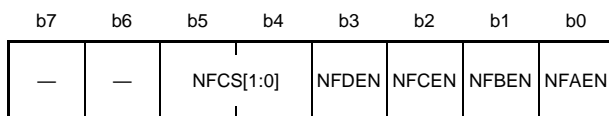
NFCSC[1:0] Bits (Noise Filter Clock Select)

These bits set the sampling interval for the noise filters. After setting the NFCSC[1:0] bits, wait for two cycles of the selected sampling interval to set the input capture function.

After correction

• MTU0.NFCRC

Address(es): MTU0.NFCRC 000C 1299h



Value after reset: 0 0 0 0 0 0 0 0

Bit	Symbol	Bit Name	Description	R/W
<i>Omitted</i>				
b5, b4	NFCS[1:0]	Noise Filter Clock Select	b5 b4 0 0: PCLKA/1 0 1: PCLKA/2 1 0: PCLKA/8 1 1: PCLKA/32	R/W
<i>Omitted</i>				

— Omitted —

NFCS[1:0] Bits (Noise Filter Clock Select)

These bits set the sampling interval for the noise filters. After setting the NFCS[1:0] bits, wait for two cycles of the selected sampling interval to set the input capture function.

Reference Documents

Applicable Product	Manual Title (Document Number)	Page Number	Section Number
RX64M Group	RX64M Group User's Manual: Hardware Rev.1.10 (R01UH0377EJ0110)	Page 916 of 2936	24.2.33
RX71M Group	RX71M Group User's Manual: Hardware Rev.1.00 (R01UH0493EJ0100)	Page 918 of 2923	24.2.33
RX65N Group, RX651 Group	RX65N Group, RX651 Group User's Manual: Hardware Rev.1.00 (R01UH0590EJ0100)	Page 885 of 2468	24.2.33
RX23T Group	RX23T Group User's Manual: Hardware Rev.1.10 (R01UH0520EJ0110)	Page 396 of 1119	20.2.32
RX24T Group	RX24T Group User's Manual: Hardware Rev.1.00 (R01UH0576EJ0100)	Page 419 of 1230	20.2.33

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