

RENESAS TECHNICAL UPDATE

1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668 Japan
Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-RX*-A075A/E	Rev.	1.00
Title	Corrections to Realtime Clock (RTC) in RX Family		Information Category	Technical Notification		
Applicable Product	RX630 Group, RX63N Group, RX631 Group RX210 Group, RX21A Group RX220 Group, RX111 Group	Lot No.	Reference Document	User's Manual: Hardware for the applicable products (see the list of reference documents for details)		
		All				

This document describes corrections to the target registers for the RTC software reset listed in the Description column of the RTC software reset bit (RCR2.RESET) of RTC control register 2.

- RX630 Group

Before change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, and **RCR2.RTCOE*2**

After change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, **RCR2.AADJP**, and **RCR3*2**

- RX63N Group, RX631 Group

Before change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, and **RCR2.RTCOE**

After change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, and **RCR2.AADJP**

- RX210 Group

Before change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, **RCR2.RTCOE**

After change

R64CNT, RSECAR, RMINAR, RHRAR, RWKAR, RDAYAR, RMONAR, RYRAR, RYRAREN, RADJ, RTCCRy, RSECCPy, RMINCPy, RHRCPy, RDAYCPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, **RCR2.AADJP**

- RX21A

Before change

R64CNT, RSECAR/BCNT0AR, RMINAR/BCNT1AR, RHRAR/BCNT2AR, RWKAR/BCNT3AR, RDAYAR/BCNT0AER, RMONAR/BCNT1AER, RYRAR/BCNT2AER, RYRAREN/BCNT3AER, RADJ, RTCCRY, RSECCPY/BCNT0CPy, RMINCPy/BCNT1CPy, RHRCpy/BCNT2CPy, RDAYCPy/BCNT3CPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, **RCR2.RTCOE**

After change

R64CNT, RSECAR/BCNT0AR, RMINAR/BCNT1AR, RHRAR/BCNT2AR, RWKAR/BCNT3AR, RDAYAR/BCNT0AER, RMONAR/BCNT1AER, RYRAR/BCNT2AER, RYRAREN/BCNT3AER, RADJ, RTCCRY, RSECCPY/BCNT0CPy, RMINCPy/BCNT1CPy, RHRCpy/BCNT2CPy, RDAYCPy/BCNT3CPy, RMONCPy, RCR2.ADJ30, RCR2.AADJE, **RCR2.AADJP**

- RX220 Group, RX111 Group

Before change

R64CNT, RSECAR/BCNT0AR, RMINAR/BCNT1AR, RHRAR/BCNT2AR, RWKAR/BCNT3AR, RDAYAR/BCNT0AER, RMONAR/BCNT1AER, RYRAR/BCNT2AER, RYRAREN/BCNT3AER, RADJ, RCR2.ADJ30, RCR2.AADJE, **RCR2.RTCOE**

After change

R64CNT, RSECAR/BCNT0AR, RMINAR/BCNT1AR, RHRAR/BCNT2AR, RWKAR/BCNT3AR, RDAYAR/BCNT0AER, RMONAR/BCNT1AER, RYRAR/BCNT2AER, RYRAREN/BCNT3AER, RADJ, RCR2.ADJ30, RCR2.AADJE, **RCR2.AADJP**

Note that there are no errors in each bit explanation below the table for the RCR2 register.

Reference Documents

Group	Document	Page	Section	Column
RX630 Group	RX630 Group User's Manual: Hardware Rev.1.50 (R01UH0040EJ0150)	Page 894 of 1654	28.2.18	Description column of the RCR2.RESET bit
RX63N Group RX631 Group	RX63N Group, RX631 Group User's Manual: Hardware Rev.1.60 (R01UH0041EJ0160)	Page 1057 of 1956	29.2.18	Description column of the RCR2.RESET bit
RX210 Group	RX210 Group User's Manual: Hardware Rev.1.40 (R01UH0037EJ0140)	Page 892 of 1622	26.2.18	Description column of the RCR2.RESET bit
RX21A Group	RX21A Group User's Manual: Hardware Rev.1.00 (R01UH0251EJ0100)	Page 732 of 1366	26.2.18	Description column of the RCR2.RESET bit
RX220 Group	RX220 Group User's Manual: Hardware Rev.1.00 (R01UH0292EJ0100)	Page 674 of 1247	25.2.18	Description column of the RCR2.RESET bit
RX111 Group	RX111 Group User's Manual: Hardware Rev.1.00 (R01UH0365EJ0100)	Page 596 of 1209	23.2.18	Note 1 of the table for the RCR2 register