

RENESAS TECHNICAL UPDATE

TOYOSU FORESIA, 3-2-24, Toyosu, Koto-ku, Tokyo 135-0061, Japan
Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-RA*-A0107A/E	Rev.	1.00
Title	Correction of ADC operation in snooze mode		Information Category	Technical Notification		
Applicable Product	RA2A1 Group, RA2E1 Group, RA2E2 Group, RA2E3 Group, RA2L1 Group, RA4M1 Group, RA4W1 Group	Lot No.	Reference Document	Refer table at the end of this document		
		All				

The description of ADC operation in snooze mode is corrected.

Table 10.2 Operating conditions of each low power mode - Note 6 for RA2E2
Table 10.2 Operating conditions of each low power mode - Note 9 for RA2E3
Table 10.2 Operating conditions of each low power mode - Note 10 for RA2E1, RA2L1

[Before]

When using the 12-bit A/D Converter (ADC12) in Snooze mode, the ADCMPCR.CMPAE or ADCMPCR.CMPBE bit must be 1.

[After]

When using the 12-bit A/D Converter (ADC12) in Snooze mode, the ADCMPCR.CMPAE **and** ADCMPCR.CMPBE bit must be 1.

Table 10.2 Operating conditions of each low power mod - Note 11 for RA4M1
Table 11.2 Operating conditions of each low power mode - Note 11 for RA4W1

[Before]

When using the ADC14 in Snooze mode, the ADCMPCR.CMPAE or ADCMPCR.CMPBE bit must be 1.

[After]

When using the ADC14 in Snooze mode, the ADCMPCR.CMPAE **and** ADCMPCR.CMPBE bit must be 1.

Table 11.2 Operating conditions of each low power mode - Note 12 for RA2A1

[Before]

When using the 16-bit A/D Converter (ADC160) in Snooze mode, the ADCMPCR.CMPAE or ADCMPCR.CMPBE bit must be 1.

[After]

When using the 16-bit A/D Converter (ADC160) in Snooze mode, the ADCMPCR.CMPAE **and** ADCMPCR.CMPBE bit must be 1.

Reference Document Table

Product	Document name
RA2A1 Group	Renesas RA2A1 Group User's Manual: Hardware Rev.1.10
RA2E1 Group	Renesas RA2E1 Group User's Manual: Hardware Rev.1.40
RA2E2 Group	Renesas RA2E2 Group User's Manual: Hardware Rev.1.30
RA2E3 Group	Renesas RA2E3 Group User's Manual: Hardware Rev.1.10
RA2L1 Group	Renesas RA2L1 Group User's Manual: Hardware Rev.1.40
RA4M1 Group	Renesas RA4M1 Group User's Manual: Hardware Rev.1.10
RA4W1 Group	Renesas RA4W1 Group User's Manual: Hardware Rev.1.00