

# RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-SY*-A0071A/E	Rev.	1.00
Title	S3 MCU Series, S5 MCU Series, S7 MCU Series, correction of Battery Backup Function		Information Category	Technical Notification		
Applicable Product	Renesas Synergy™ S3A1 MCU Group Renesas Synergy™ S3A3 MCU Group Renesas Synergy™ S3A6 MCU Group Renesas Synergy™ S3A7 MCU Group Renesas Synergy™ S5D3 MCU Group Renesas Synergy™ S5D5 MCU Group Renesas Synergy™ S5D9 MCU Group Renesas Synergy™ S7G2 MCU Group	Lot No.	Reference Document	S3A1 Microcontroller Group User's Manual Rev.1.20 S3A3 Microcontroller Group User's Manual Rev.1.10 S3A6 Microcontroller Group User's Manual Rev.1.20 S3A7 Microcontroller Group User's Manual Rev.1.40 S5D3 Microcontroller Group User's Manual Rev.1.10 S5D5 Microcontroller Group User's Manual Rev.1.30 S5D9 Microcontroller Group User's Manual Rev.1.30 S7G2 Microcontroller Group User's Manual Rev.1.40		
		All				

The description of Backup Registers is corrected.

## S3A1, S3A3, A3A6, S3A7

### [Before]

#### 12. Battery Backup Function

##### 12.1 Overview

##### 12.1.5 Backup Registers

The battery-powered area provides 512 one-byte backup registers. These registers retain data only when VBATT is supplied and VCC is powered off. This memory is checked by the VBATT pin low voltage detection.

### [After]

#### 12. Battery Backup Function

##### 12.1 Overview

##### 12.1.5 Backup Registers

The battery-powered area provides 512 one-byte backup registers. **These registers retain data when the battery-powered area is powered from VCC pin or VBATT pin.** This memory is checked by the VBATT pin low voltage detection.

**S5D3, S5D5, S5D9, S7G2****[Before]****12. Battery Backup Function****12.1 Overview****12.1.3 Backup Registers**

The battery-powered area provides 512 one-byte backup registers. These registers retain data only when VBATT is supplied and VCC is powered off.

**[After]****12. Battery Backup Function****12.1 Overview****12.1.3 Backup Registers**

The battery-powered area provides 512 one-byte backup registers. **These registers retain data when the battery-powered area is powered from VCC pin or VBATT pin.**