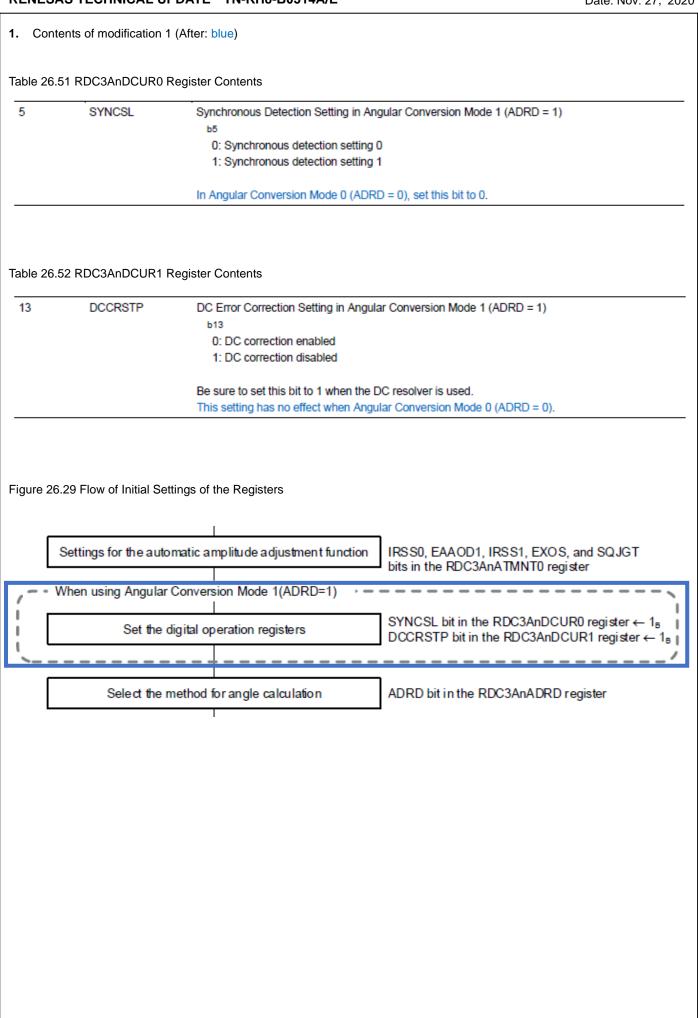
Date: Nov. 27, 2020

## **RENESAS TECHNICAL UPDATE**

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

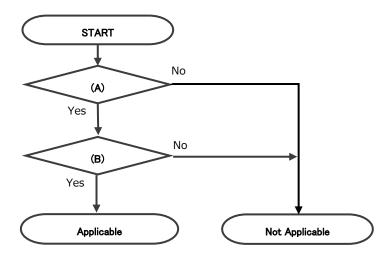
Product Category	MPU/MCU		Document No.	TN-RH8-B0314A/E	Rev.	1.00
Title	RH850/C1M-A RDC setting limitation		Information Category	Technical Notification		
Applicable Product	RH850/C1M-A1 RH850/C1M-A2	Lot No.	Reference Document	R01UH0607EJ0120 [RH850/C1M-A1, User's Manual: Hardw		/C1M-A2

There are RDC setting limitation in the User's Manual of RH850/C1M-A products which are listed in the applicable product	and
this RENESAS Technical update describes these changes.	



The non-determination flows

The flow that determines whether or not this case applies is as follows.



- (A) Always set ADRD=0 fixed input.
- (B) Always set SYNCSL=1 fixed input.

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2. Contents of modification 1 (After: blue)

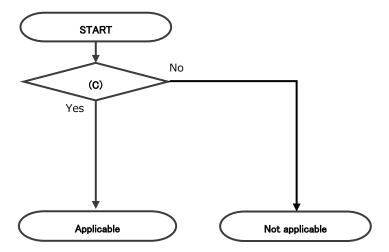
## 26.4.5.1 Built-in Self-Test Function

"The BISTs are categorized into two groups depending on their execution timing as follows;

- Execution is possible during angle conversion and when starting up the power (short-period BIST): ADBIST, resolver signal error detection BIST, resolver signal disconnect detection BIST, power short error BIST, ground short error BIST, sum-of-squares amplitude error detection BIST (high side), sum-of-squares amplitude error detection BIST (low side)
- Execution is possible when starting up the power: angle conversion BIST, conversion error BIST Short-period BIST can also be executed at starting up the power. However, if angle conversion BIST or conversion error BIST or both are executed at power-on, they must be executed before short-period BIST.

The non-determination flows

The flow that determines whether or not this case applies is as follows.



(C) Angle conversion BIST or conversion error BIST or both are executed, after Short-period BIST.