

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-R8C-A050A/E	Rev.	1.00
Title	Precaution of low temp. slow start-up		Information Category	Technical Notification	
Applicable Product	Described below	Lot No.	Reference Document	User's Manuals: Hardware of Applicable Products	
		-			

Several conditions are added to the following applied product in the User's Manual.

1-1. Applied Product

R8C/34E Group, R8C/34F Group, R8C/34G Group, R8C/34H Group

R8C/36E Group, R8C/36F Group, R8C/36G Group, R8C/36H Group

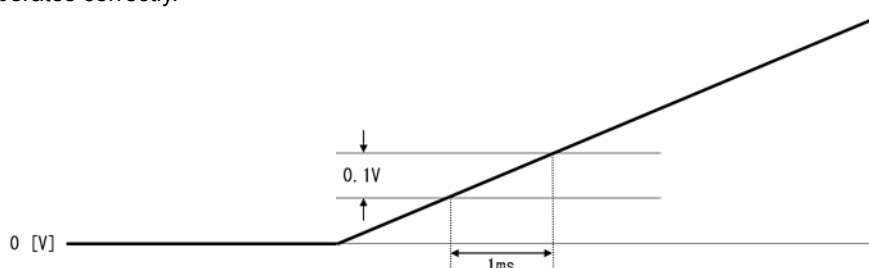
R8C/38E Group, R8C/38F Group, R8C/38G Group, R8C/38H Group

1-2. Condition when using master

In case operation temperature is lower than $T_a = -35^{\circ}\text{C}$ and power rises to 1.8V slower than 0.1V/1ms, reset function (Hardware reset, Power-on reset) may not operate correctly. (See figure below)

In case operation temperature is higher than $T_a = -35^{\circ}\text{C}$, MCU operates correctly.

In case even operation temperature is lower than $T_a = -35^{\circ}\text{C}$ and power rises to 1.8V higher than 0.1V/1ms, MCU operates correctly.



1-3. Countermeasure

The reject test is applied from Dec. 2010

Applied Lot No. starts from 048

The Number which "9" is the 1st word is excluded.