

# RENESAS TECHNICAL UPDATE

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Renesas Electronics Corporation

Product Category	MPU/MCU	Document No.	TN-R8C-A051A/E	Rev	1.00
Title	Notification about malfunction in flash-memory-read operation.		Information Category	Technical Notification	
Applicable Products	Described below.	Lot No.	Reference Document		
		Described below			
<p>Renesas informs that some products which were shipped in the past have possibility to cause malfunction in flash-memory-read operation</p> <p>1. Products: R8C/L36A Group, R8C/L38A Group, R8C/L3AA Group, R8C/L38B Group, R8C/L3AB Group R8C/L36C Group, R8C/L38C Group, R8C/L3AC Group,</p> <p>2. Notification about malfunction in flash-memory-read operation. Some products which were shipped during a period from June, 2011 to June, 2012, possibly can not read the embedded flash memory correctly under some conditions described below. Defective error on reading program, since that does not happen on all devices in the concerned lots, customer can use the device which the error has not happened on board without any concerns.</p> <p>3. Conditions about malfunction in flash-memory-read operation. The ambient temperature is less than 0 degrees Celsius. And In the case Software satisfies the following conditions a. When an instruction with the jump functions such as JMP instruction is allocated from address 10000h to address 20000h and jumps in address 4000h to address BFFFh. OR b. When JSR instruction is allocated from address 4000h to address FFFFh. And RTS instruction in the subroutine to be executed is allocated from address 10000h to address 2FFFFh.</p> <p>4. Target lot Customers can check which products have possibility of this issue by the LotNo printed on the package according to the table below.</p>					

R8C/L36A Group, R8C/L38A Group, R8C/L3AA Group

Product Name	Lot No.	shipment
R5F2L368ANFP	126BZ00	2,019
	146BZ00	5,307
	201BZ00	2,444
	201BZ01	4,894
	211BZ00	4,797
	215BZ00	7,869
	total	27,330
R5F2L38CADFP	125BZ00	4,508
	949AZ00	212
	total	4,720
R5F2L3ACANFP	215BZ00	464
	total	464

R8C/L38B Group, R8C/L3AB Group

Product Name	Lot No.	shipment
R5F2L38ABDFP	122B109	400
	125B105	1,000
	total	1,400
R5F2L3ACBDFP	110AZ00	1,907
	129BZ00	2,583
	144BZ00	418
	144BZ01	942
	total	5,850

R8C/L36C Group, R8C/L38C Group, R8C/L3AC Group

Product Name	Lot No.	shipment
R5F2L368CNFA	133AZ00	16,642
	137AZ00	26,832
	total	43,474
R5F2L368CNFP	132AZ00	5,551
	total	5,551
R5F2L36CCNFP	132AZ00	5,724
	total	5,724
R5F2L388CNFP	129AZ03	16,081
	129AZ04	15,796
	136AZ05	17,387
	137AZ00	20,325
	152AZ02	5,732
	152AZ03	22,177
	total	97,498
R5F2L3ACCNFP	132AZ00	2,802
	total	2,802

Please contact Renesas when customers find the problem which is expected due to this issue, or have the stock listed on the table above.