

Product Advisory (PA)

Subject: Register value update on 9DBL0xxx C, 9FGL0xxx D and 9SQL495xD product family

Publication Date: 12/19/2022

Effective Date: 12/19/2022

Revision Description:

Initial Release

Description of Change:

This notice is to inform you that Renesas is making the programming update as register byte-7 and byte-10 value on 9DBL0xxx C device, and register byte-10 value on 9FGL0xxx D and 9SQL495xD devices did not match datasheet descriptions. Renesas update on default register below.

1. 9DBL0xxx C: Updated register byte-7 value from 0x01 to 0x08 and updated register byte-10 value from 0xC0 to 0x40.
Byte7 is a byte count register which is a scratch register.
Byte-10 is an enables bit to allow user to access internal PLL M/N dividers. This change is to disable access to the internal PLL M/N dividers.
No change to other register values. No change to part performance.
2. 9FGL0xxx D: Updated register byte-10 value from 0xC0 to 0x40.
Byte-10 is an enables bit to allow user to access internal PLL M/N dividers. This change is to disable access to the internal PLL M/N dividers.
No change to other register values. No change to part performance
3. 9SQL495xD: Updated register byte-10 value from 0xC0 to 0x40.
Byte-10 is an enables bit to allow user to access internal PLL M/N dividers. This change is to disable access to the internal PLL M/N dividers.
No change to other register values. No change to part performance

Affected Product List:

9FGL Family	9DBL Family	9SQL
9FGL0241DKILF	9DBL0242CKILF	9SQL4952DNLGI
9FGL0241DKILFT	9DBL0242CKILFT	9SQL4952DNLGI8
9FGL0251DKILF	9DBL0252CKILF	9SQL4954DNLGI
9FGL0251DKILFT	9DBL0252CKILFT	9SQL4954DNLGI8
9FGL0441DKILF	9DBL0252CKILF/W	9SQL4958DNDGI
9FGL0441DKILFT	9DBL0442CKILF	9SQL4958DNDGI8
9FGL0451DKILF	9DBL0442CKILFT	
9FGL0451DKILFT	9DBL0452CKILF	
9FGL0641DKILF	9DBL0452CKILFT	
9FGL0641DKILFT	9DBL0641CKILF	
9FGL0651DKILF	9DBL0641CKILFT	
9FGL0651DKILFT	9DBL0651CKILF	
9FGL0841DKILF	9DBL0651CKILFT	
9FGL0841DKILFT	9DBL0841CKILF	

9FGL0851DKILF	9DBL0841CKILFT	
9FGL0851DKILFT	9DBL0851CKILF	
	9DBL0851CKILFT	

Reason for Change:

To match the register value in datasheet description.

Impact on Fit, Form, Function, Quality & Reliability:

The change is expected to have no impact on the form, fit, function, quality, reliability, and environmental compliance of the products.

Product Identification:

Affected date code with incorrect register values

9FGL0xxxD	9DBL0xxxC	9SQL495xD
2213	2213	Y2232GR
2232	2214	Y2233GR
2233	2228	
	2232	

Qualification Status: Not applicable

Sample Availability Date: 1/31/2023

Device Material Declaration: Available upon request

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas within 30 days of the publication date.

For additional information regarding this notice, please contact idt-pcn@lm.renesas.com