

## Product Advisory (PA)

**Subject:** Register value update on 9DBL0xxxC, 9FGL0xxxD 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 9DBL0xxxC device, and register byte-10 value on 9FGL0xxxD and 9SQL495xD devices did not match datasheet descriptions. Renesas update on default register below.

1. 9DBL0xxxC: 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. 9FGL0xxxD: 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](mailto:idt-pcn@lm.renesas.com)**