

## Note on Using Peripheral Driver Generator

When using Peripheral Driver Generator, take note of the following problem:

- With specifying the open-drain output in the I/O port when using the RX610, RX62N, RX630, RX631, RX63N, RX63T, RX210, and RX220 group of MCUs

### 1. Product and Versions Concerned

Peripheral Driver Generator V.2.00 or later

### 2. Description

When using the R\_PG\_IO\_PORT\_Set\_Pm function or R\_PG\_IO\_PORT\_Set\_Pmn function generated by Peripheral Driver Generator, the open drain output cannot be specified while the input has been specified for the input/output direction.

The specifications of the R\_PG\_IO\_PORT\_Set\_Pm function and the R\_PG\_IO\_PORT\_Set\_Pmn function are as follows:

- R\_PG\_IO\_PORT\_Set\_P<port number>
- R\_PG\_IO\_PORT\_Set\_P<port number><pin number>

### 3. Workaround

When pins are set for the open drain output and the input/output direction is not changed as the output, directly specify the open drain control register as shown in the following examples without using the R\_PG\_IO\_PORT\_Set\_Pm or R\_PG\_IO\_PORT\_Set\_Pmn function that has been generated.

Example 1 of Workaround:

When P01 is set to N-channel open drain in RX62N group of MCUs

```
-----  
PORT0.ODR.BIT.B1 = 1;  
-----
```

Example 2 of Workaround:

When P17 is set to N-channel open drain in RX630 group of MCUs

-----  
PORT1.ODR1.BIT.B6 = 1;  
-----

Example 3 of Workaround:

When PE1 is set to P-channel open drain in RX630 group of MCUs

-----  
PORTE.ODR0.BIT.B2 = 0;  
PORTE.ODR0.BIT.B3 = 1;  
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#### **4. Schedule for Fixing the Problem**

The plan for fixing this problem has yet to be determined.

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