RENESAS Tool News

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Note on Using Applilet3 for RL78

When using automatic driver generator Applilet3 for RL78, take note of the following problem:

- With setting of port 1 (target: RL78/G14 group)

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1. Product and Version Concerned
   Applilet3 for RL78 V1.05.00

2. MCUs Involved
   RL78/G14 group of MCUs (RL78 family)

   The description applies to those of the above MCUs with 96 KB or more of code flash memory and having model names of the form R5F104xy (see NOTE below).

   NOTE:
   x represents A, B, C, E, F, G, J, L, M, or P.
   y represents F, G, H, or J.

3. Description
   When the port pins listed below are selected for port 1, the Code Generator outputs the unnecessary operator and value "| _33_PMC1_DEFAULT". This is because the initial settings for unused bits in the PMC1 register are incorrect.
   - P12
   - P13
   - P16
   - P17

4. Workaround
   Delete "| _33_PMC1_DEFAULT" from the R_PORT_Create function's code for setting up the PMC1 register.

   Example: If you are using R5F104AF and have selected P12 and P13

as outputs

Source code before modification

```
------------------------------------------------------------
PMC1 = _00_PMCn2_DI_ON | _00_PMCn3_DI_ON | _40_PMCn6_NOT_USE |
    _80_PMCn7_NOT_USE | _33_PMC1_DEFAULT;
------------------------------------------------------------
```

Source code after modification

```
------------------------------------------------------------
PMC1 = _00_PMCn2_DI_ON | _00_PMCn3_DI_ON | _40_PMCn6_NOT_USE |
    _80_PMCn7_NOT_USE;
------------------------------------------------------------
```

5. Schedule for Fixing the Problem

This problem will be fixed in the next version of Applilet3 for RL78.
