

Note on Using Application Leading Tool for RL78

When using automatic driver generator Application Leading Tool for RL78, take note of the following problem:

- With setting of P20 and P21 of port 2 (target: RL78/L1C group)

Application Leading Tool for RL78 V1.03.00

2. MCUs Involved

RL78/L1C group of MCUs (RL78 family)

3. Description

For port 2, even if digital input to or output from port pins P20 and P21, which are multiplexed with analog pin functions, is selected, the generated code will not reflect the corresponding settings of the port mode control register (PMC register).

4. Workaround

To use P20 and P21 as port pins, change "_03_PMC2_DEFAULT", which is part of the R_PORT_Create function's code for setting up the PMC2 register, to "0xFC".

Example:

Source code before modification

```
-----  
PMC2 = _00_PMCn0_DI_ON | _02_PMCn1_NOT_USE | _03_PMC2_DEFAULT;  
-----
```

Source code after modification

```
-----  
PMC2 = _00_PMCn0_DI_ON | _02_PMCn1_NOT_USE | 0xFC;  
-----
```

5. Schedule for Fixing the Problem

This problem will be fixed in the next version of Application
Leading Tool for RL78.

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