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瑞萨电子公司网址：<http://www.renesas.com>

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瑞萨电子公司

【发行】瑞萨电子公司（<http://www.renesas.com>）

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功耗波动不稳定的问题

Trouble

用户反映，R8C 单片机的功耗不稳定，上下波动两分钟左右。当进入低功耗时，功耗电流从几十 uA 上升到 110 uA，然后再下降到 10 uA 左右，并且持续了 2 分钟

Analyze

检查程序,发现用户处理未使用的端口时，设置方向寄存器为输入模式

Do

处理未使用的端口时，设置方向寄存器为输出模式，可使功耗稳定。因为在端口为输入模式期间，电源电流有可能增加。详细见R8C单片机硬件手册关于未使用管脚的处理的章节的论述。

MCU

文档适用于 Renesas R8C MCU, 其它系列可做参考.