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瑞萨电子公司网址：<http://www.renesas.com>

2010年4月1日
瑞萨电子公司

【发行】瑞萨电子公司（<http://www.renesas.com>）

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六相 PWM 功能失效

Trouble

用户反映，基于 Renesas M16C 内核的 M16C/TINY MCU 的 6 相 PWM 不能被输出

Analyze

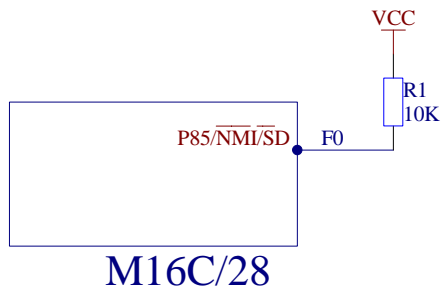
检查用户的硬件电路，发现单片机的 P85/NMI/SD 管脚被处理成下拉。

Do

改变用户的硬件电路，将 P85/NMI/SD 管脚上拉，因为 P85/NMI/SD 管脚下拉或者悬空将强制封锁三相电机的专用的 PWM 模块，导致不能输出，应该上拉一电阻。

见：M16C/28 硬件手册的 122 页注 1。

正确的管脚处理方法如下图：



MCU

文档适用于基于 Renesas M16C 内核的 具有三相电机的专用的 PWM 模块 MCU



Trouble Shoot Document

RTSHCMCAN0014-0100 Rev.1.00

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