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2010年4月1日
瑞萨电子公司

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要点
这是定时器 X 的脉冲输出模式的应用例子。

动作确认器件
本资料说明的应用例子适合下列单片机和使用条件：

- 单片机：7544 群

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1. 应用例子的说明

■ 要点
将定时器X的脉冲输出模式应用于压电蜂鸣器输出。

■ 说明
从P14/CNTR0管脚输出将时钟f(XIN)=4MHz分频成4kHz的方波。在压电蜂鸣器输出停止中，将P14/CNTR0管脚的电平固定成“H”电平。
运行时钟使用f(XIN)=4MHz倍速模式。

1.1 外围电路例子
外围电路例子如图1所示。

图 1 外围电路例子

1.2 定时器的连接和分频比的设定
定时器的连接和分频比的设定如图2所示。

图 2 定时器的连接和分频比的设定

1.3 控制步骤例子
控制步骤例子如图3所示。
定时器 X 运行（脉冲输出模式）

图 3 控制步骤例子

注1. 有关具体的时间，请向面板器厂家查询。
2. 125ms = 1/4MHz × 2 × (016 + 1) × (7C16 + 1)
3. 通过给定时器X写数据，P14/CNTR0管脚输出电平被初始化。

●X：在此应用例中，为不使用的位，请用法将其设定成“0”或者“1”
2. 参考文献

数据表

7544群数据表（最新版本请从瑞萨科技网页取得）

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### 修订记录

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