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7542 群

定时器 X 运行（定时器模式）

要点

本资料说明 7542 群的定时器 X 的定时器模式功能的设定方法例子和应用例子。

动作确认器件

本资料说明的应用例子适合下列单片机：

- 单片机：7542 群

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1. 设定方法

定时器X（定时器模式）的设定方法如图1所示。

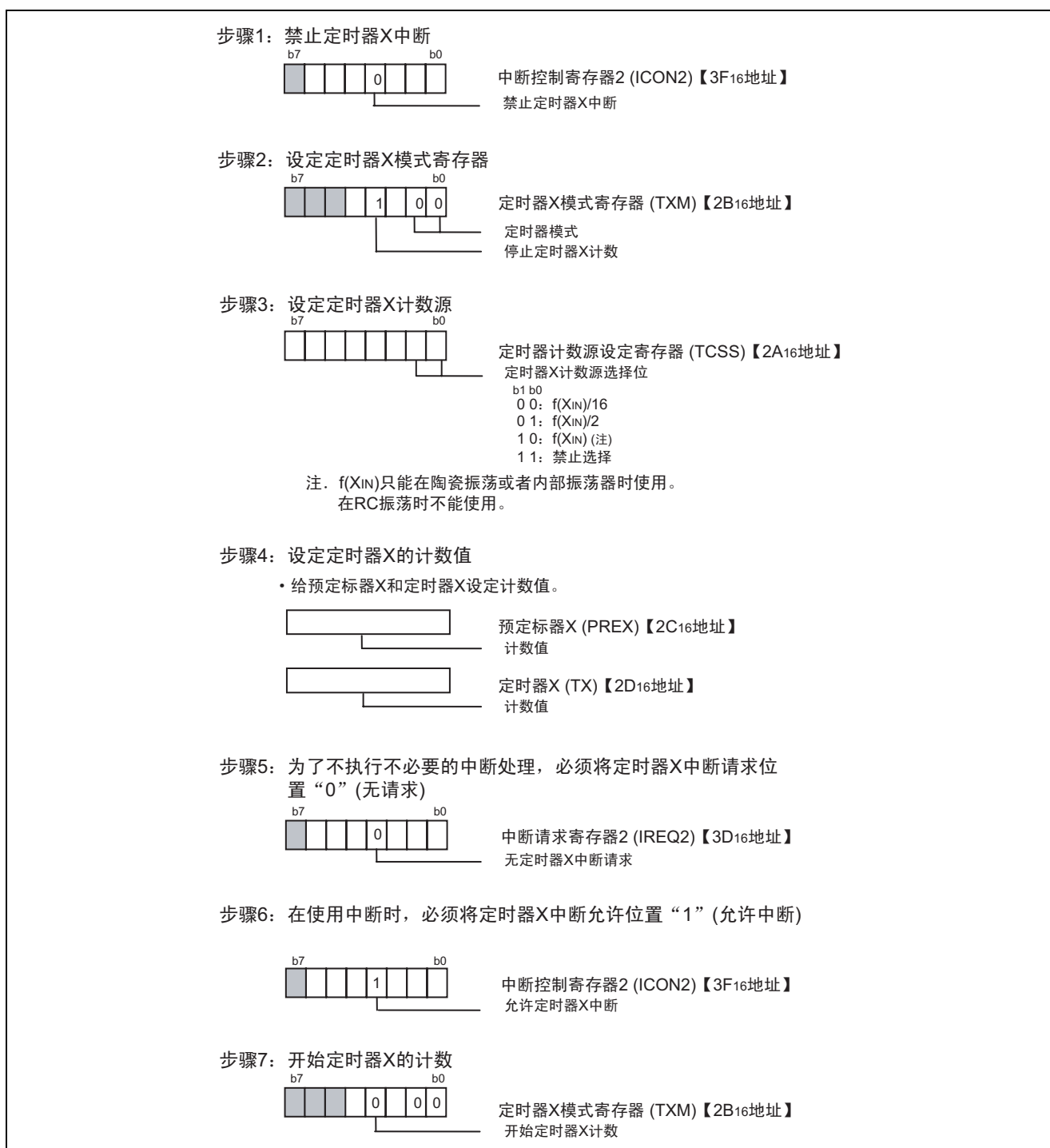


图 1 定时器 X 的定时器模式的设定方法

2. 应用例子的说明

■要点

由定时器分频时钟，每250ms进行一次计时处理。

■说明

由定时器分频 $f(XIN)=4.19\text{MHz}$ (2^{22}Hz) 的时钟。在定时器X中断（每250ms产生一次）处理程序中进行计时处理。

运行时钟使用 $f(XIN)=4.19\text{MHz}$ 高速模式。

2.1 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。

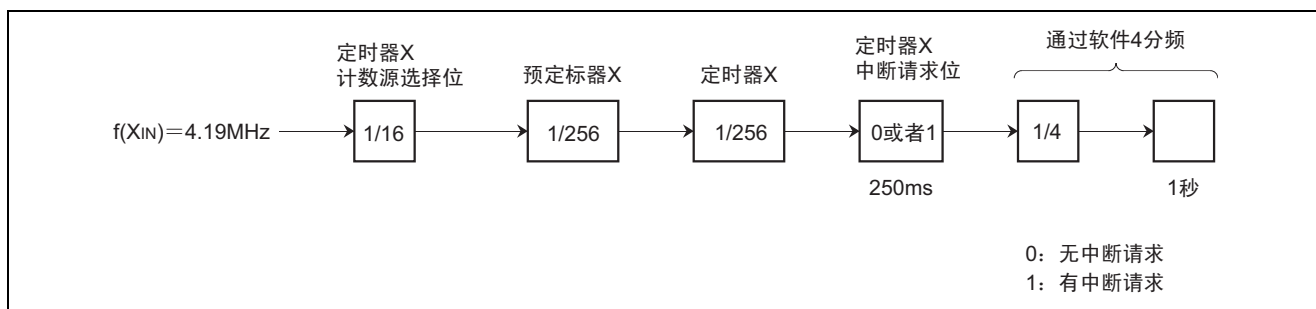


图 2 定时器的连接和分频比的设定

2.2 控制步骤例子

控制步骤例子如图3所示。

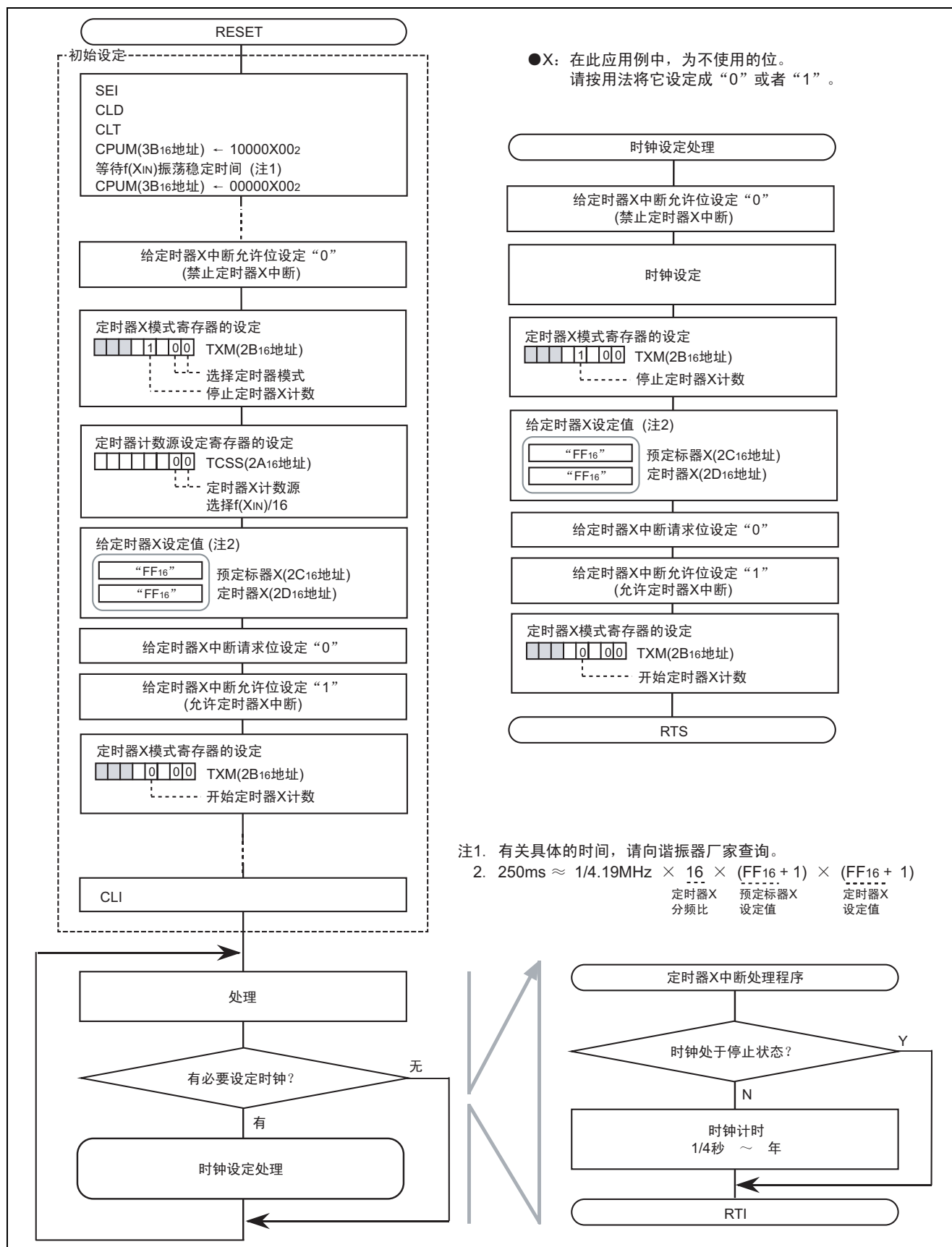


图 3 控制步骤例子

3. 参考文献

数据表

7542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

Rev.	发行日	修订内容	
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1.00	2004.09.15	—	初版发行

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