

致尊敬的顾客

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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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M37548/49产品群

20/24引脚

特性:

- 最短指令执行时间: 0.25 μ s (8MHz, 双速模式)
- 上电复位和低电压检测功能
- 内嵌振荡停止检测电路
- 工作电压
 - ☐ VCC = TBD – 5.5V (双速模式)
 - ☐ VCC = 1.8V – 5.5V (双速模式)
 - ☐ VCC = 4.5V – 5.5V (8MHz, 双速模式)
 - ☐ VCC = 4.0V – 5.5V (8MHz, 高速模式)
 - ☐ VCC = 2.4V – 5.5V (4MHz, 高速模式)
 - ☐ VCC = 1.8V – 5.5V (1MHz, 高速模式)
 - ☐ VCC = 1.8V – 5.5V (32.768KHz, 双速模式)
- 低功耗
 - ☐ 使用内部振荡器为时钟源可以降低功耗
- 宽温度范围
 - ☐ -20 – 85°C

应用:

- ☒ 家电
- ☒ 消费品
- ☒ 工业设备
- ☒ PC外围 & OA设备



M37548/49产品群

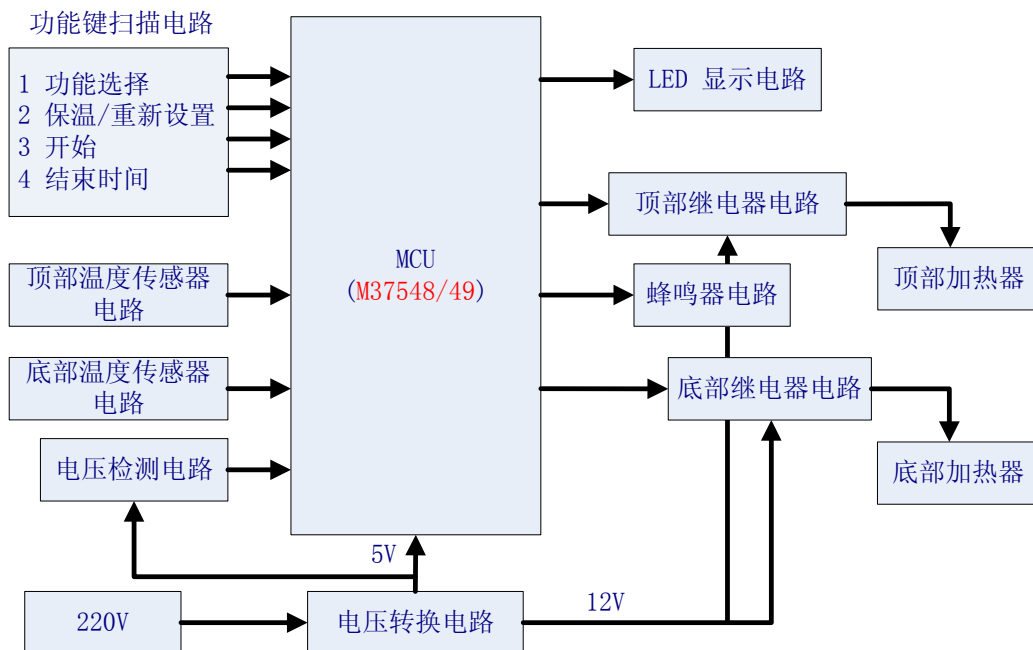
20/24引脚

产品扩展: ROM/RAM Size

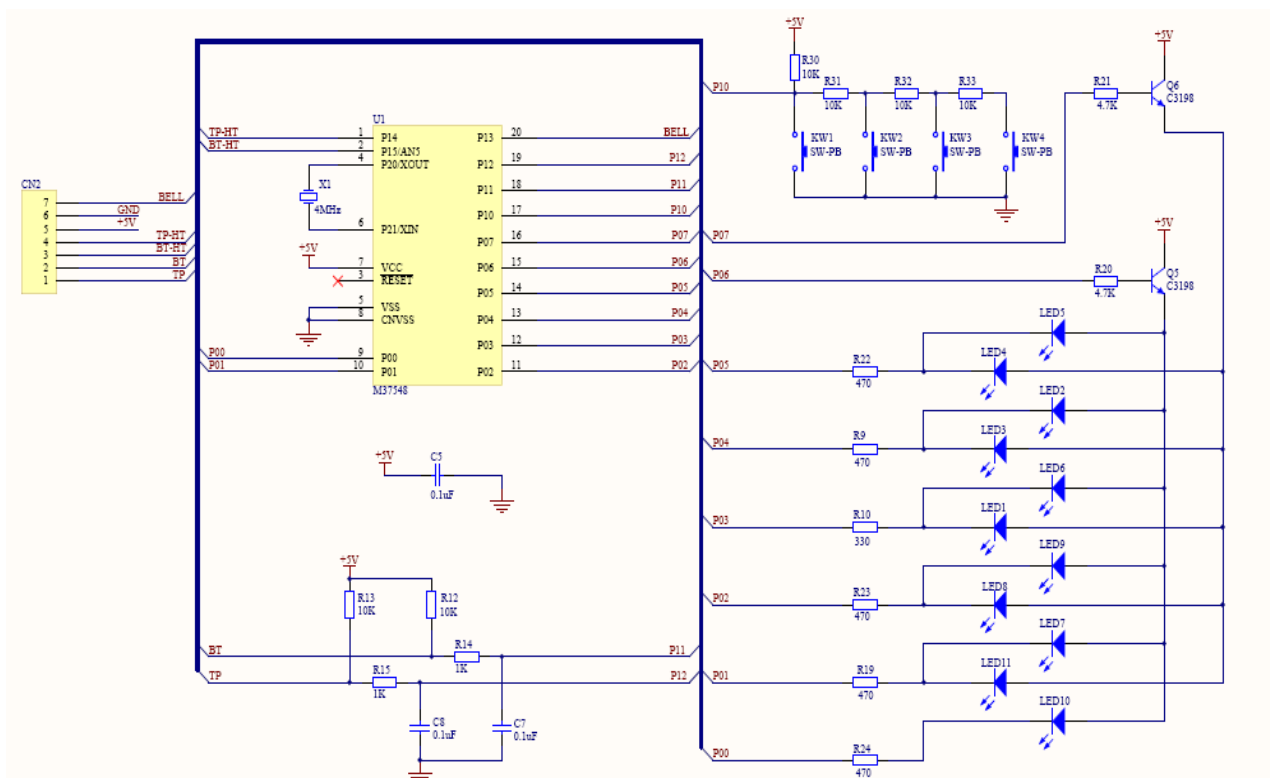
- M37548G1-XXXFP*** (2K/128)
- M37548G1FP*** (2K/128)
- M37538G3-XXXFP*** (6K/256)
- M37548G3FP*** (6K/256)
- FP: 20P2F-A: 20引脚SSOP (0.65mm Pitch)**
- M37549G1-XXXFP*** (2K/128)
- M37549G1FP*** (2K/128)
- M37549G3-XXXFP*** (6K/256)
- M37549G3FP*** (6K/256)
- FP: 24P2Q-A: 24引脚SSOP (0.8mm Pitch)**

740 CPU	8位定时器: 2 CH
QzROM	16位定时器: 1 CH (波形: 3 CH) (计时: 1 CH)
RAM	串行接口 UART/同步: 1 CH
监视定时器	10位A/D: 8(6) ch
振荡电路 32kHz晶体振荡 (高速内部振荡器) (低速内部振荡器)	振荡停止检测电路
低压检测功能	上电复位功能
I/O: 20(16)	

电饭煲样机原理框图



电饭煲样机参考原理图



电饭煲样机实现的功能

- ☑ 精煮功能
- ☑ 快煮功能
- ☑ 1小时粥 / 汤功能
- ☑ 2小时粥 / 汤功能
- ☑ 定时结束功能
- ☑ 保温功能
- ☑ LED显示功能
- ☑ 键扫描功能
- ☑ 蜂鸣器提示功能
- ☑ 重设功能
- ☑ 故障诊断功能



功能对比

功能	B701T-50Y4	演示板
精煮功能	√	√
快煮功能	√	√
1小时粥/汤功能	√	√
2小时粥/汤功能	√	√
定时结束功能	√	√
保温功能	√	√
LED显示功能	√	√
键扫描功能	√	√
蜂鸣器鸣叫提示功能	√	√
重新设置功能	√	√
故障诊断功能	√	√

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