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Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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概要

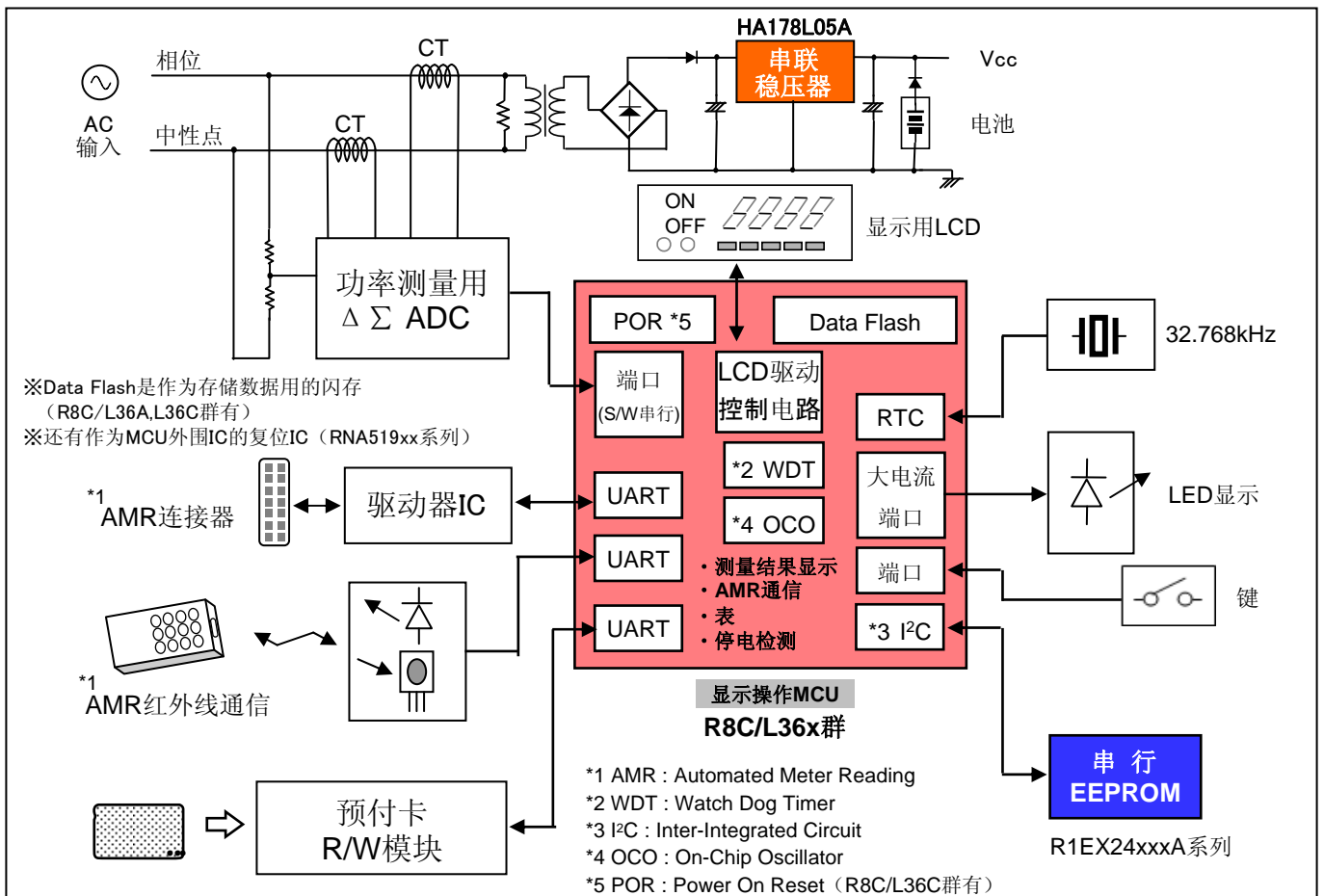
电表，作为防止盗电、自动查表（AMR）的不同需求而迅速向电子化发展。近年来随着节能环保的推进，为了实现地方上高效使用能源的智能电网，通过电表来控制各种屋内设备的智能电表正在各地扩大普及。电表正在成为家庭通信的网关，向着高性能、高功能化前进。

电表从工厂到现场安装，需要内置电池的工作，而只有实时时钟（RTC）工作时的低功耗化就变得尤为重要。另外，为了满足AMR、查表时的红外线通信，预付卡之间的通信，都需要UART（Universal Asynchronous Receiver Transmitter）。

瑞萨MCU产品线中的R8C/Lx系列，内置3通道UART，可满足智能电表所需的各种通信方式，通过内置RTC可实现低功耗。另外，大容量存储器能支持智能电表的高功能化。其他内置的片内振荡器(OCO)、看门狗定时器(WDT)，LCD驱动控制电路等减少了外置元件数，从而可实现低成本。

系统框图

2009年12月最新信息



所推荐的瑞萨元件

2009年12月最新信息

Block	半导体	推荐产品名	特点等
主控制部分	MCU	R8C/L36x群	内置LCD驱动器、低功耗
	EEPROM	R1EX24xxxA系列	ƒC总线接口
通用 浪涌吸收 电路保护等	齐纳二极管	HZU系列	2引脚表面贴装
		HZMxNB系列	3引脚（内有一个元件）表面贴装
		HZ/HZS系列	2引脚玻璃插入式外形
	开关二极管	HSU119/HSC119	2引脚表面贴装
		HSM2838C, HSM123	3端子（内有二个元件）表面贴装
		1S2076, 1SS119	2引脚玻璃插入式外形
	肖特基二极管	HRC0103C	2引脚表面贴装（低VF、低漏电流）
		HRB0502A	3引脚表面贴装（低VF）
HRV103A, RKR104BKH		2引脚小型表面贴装（I _o =1A）	
MCU外围	复位IC	RNA51957	检测电压可变

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瑞萨中国销售网点：

瑞萨电子(上海)有限公司

上海市浦东新区陆家嘴环路1233号汇亚大厦205室	邮编: 200120	电话: +86 21 5877 1818	传真: +86 21 6887 7858
北京分公司 北京市海淀区科学院南路2号融科资讯中心C座北楼603F室	邮编: 100080	电话: +86 10 8286 1656	传真: +86 10 8286 1657
青岛分公司 青岛市市南区香港中路10号颐和国际A栋23A楼07室	邮编: 266071	电话: +86 532 6677 7600	传真: +86 532 6677 7608
深圳分公司 深圳市福田区益田路4068号卓越时代广场18楼1807至1809室	邮编: 518048	电话: +86 755 8283 5260	传真: +86 755 2399 5095
大连办事处 大连市中山区中山路88号天安国际大厦21楼2103室	邮编: 116001	电话: +86 411 3980 5858	传真: +86 411 3980 5877

Email: contact.china@renesas.com

瑞萨香港有限公司

香港九龙尖沙咀海港城环球金融中心北座7楼	电话: +852 2265 6688	传真: +852 2377 3473	
深圳代表处 深圳市福田区益田路4068号卓越时代广场18楼1802至1806室	邮编: 518048	电话: +86 755 8283 5080	传真: +86 755 2399 5080

Email: contact.china@renesas.com

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