

JZ4740

32 Bits Microprocessor

Application Notes 01

RTC

Revision: 0.1

Date: Sep. 2007



北京君正集成电路股份有限公司
Ingenic Semiconductor Co., Ltd.

JZ4740 32 Bits Microprocessor

Application Notes 01

RTC

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Release history

Date	Revision	Change
Sep. 2007	0.1	Before release

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Ingenic Semiconductor Co., Ltd.

Room 108, Building A, Information Center, Zhongguancun Software Park
8 Dongbeiwang West Road, Haidian District, Beijing, China,

Tel: 86-10-82826661

Fax: 86-10-82825845

Http: //www.ingenic.cn

JZ4740 RTC-Hibernating module

1. JZ4740 RTC module power control circuit

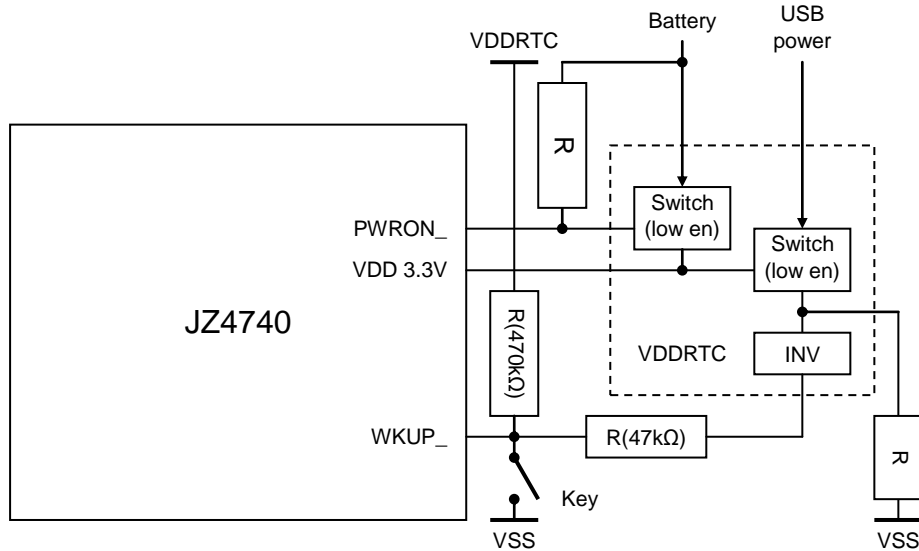


Figure 1 Power control circuit 1

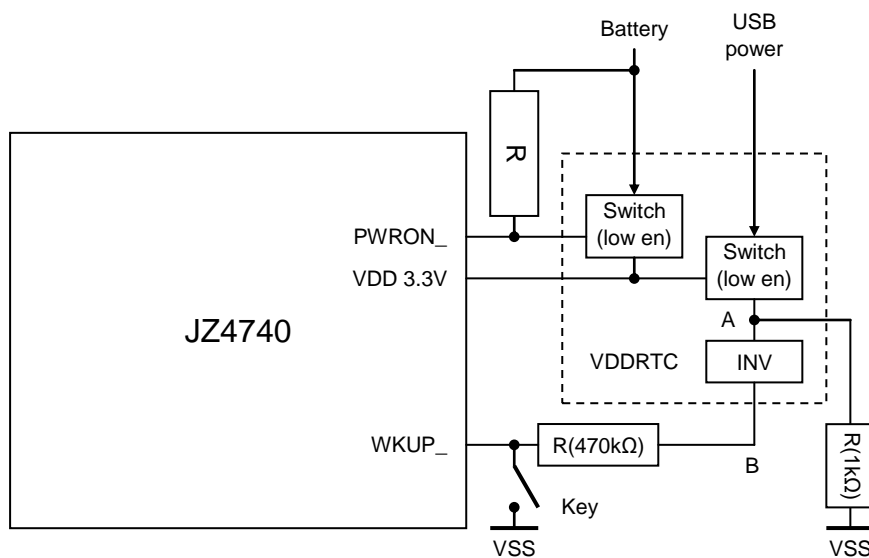


Figure 2 Power control circuit 2

In case of no USB power (USB power = 0V), point A always 0V and point B always VDDRTC, which is the same as USB power does not exist. Following figures show when USB power supplied in different conditions. ¹

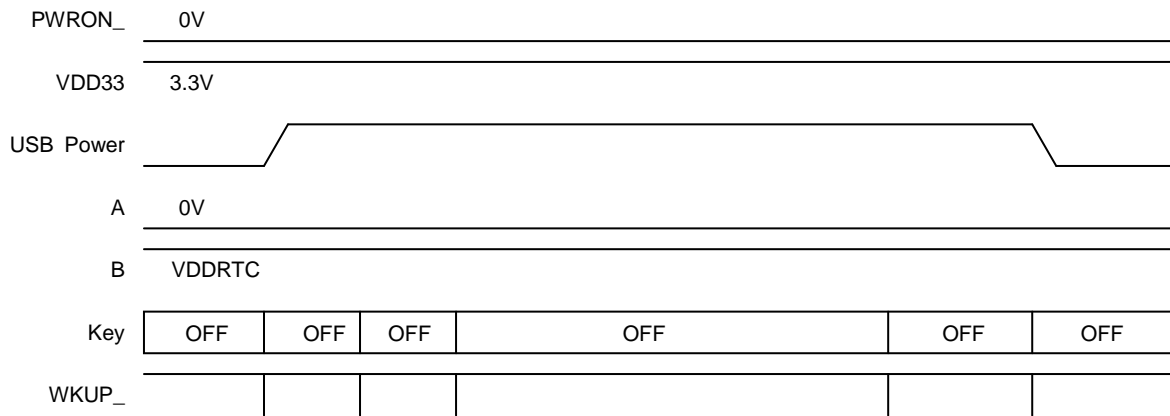


Figure 3 JZ4740 is power-on, without long time WKUP_ key pressing

Please disable WKUP_ key power off function in software during USB operation. Short time WKUP_ key pressing is OK.

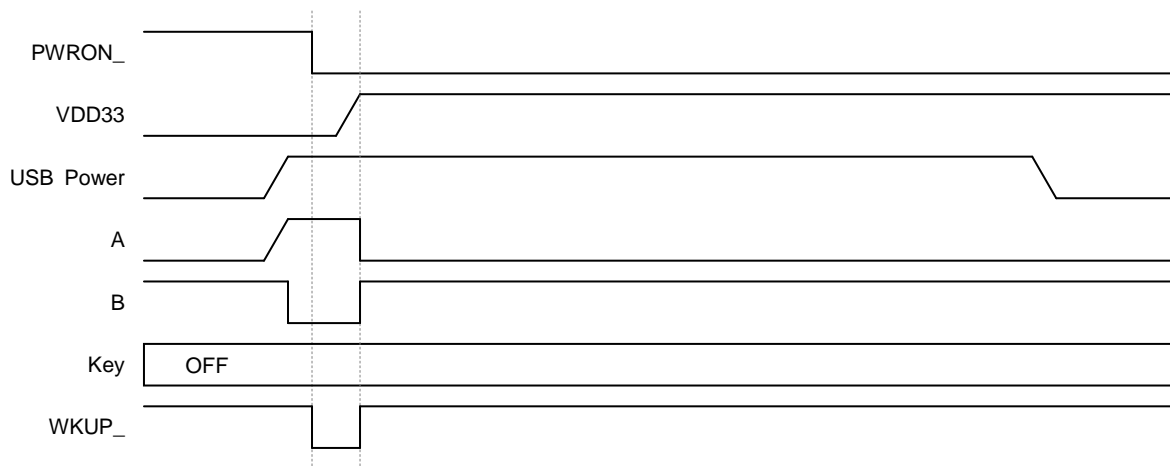


Figure 4 JZ4740 is power-off

2. WKUP_ & PPRST_ Timing

When the main power of the system is ON or OFF, the timing of signal “WKUP_” & “PPRST_” should not be asserted (low level) simultaneous, else the internal registers of RTC may be changed.