



十速

TM57FLA80

停止模式中关闭看门狗的设置说明

Application Note

Rev V1.0

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修改记录

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V1.0	Jul, 2013	新颁

CONTENTS

修改记录.....	2
AP_TM57FLA80 停止模式中关闭看门狗的设置说明	4

AP_TM57FLA80 停止模式中关闭看门狗的设置说明

TM57FLA80 内建有看门狗(WDT)定时复位功能,和 WKT 唤醒定时器是共用一个定时器, 在配置寄存器 WDTE 设置中它们是相互取反关系, 也就是说若 WDT=1 则 WKT=0, 若 WDT=0,则 WKT=1, 当我们在执行了 ‘SLEEP’指令进入停止模式前, 如果设置了 WDTE=1, WKTIE=0, 在实际烧录的芯片中看门狗将在停止模式下不产生复位。但我们要提醒注意的是, 在 TICE99 仿真器上同样设置时看门狗是会发生复位动作的。

停止模式下关闭看门狗功能设置步骤如下:

1. 配置寄存器 config 中设置 WDTE=Enable WDT Reset, Disable WKT timer.

TM57 Setting				
Configuration		Directories	EV Options	
Name	Description	Value	Hex	Start Bit/L
PROTECT	Code Protect Selection	No protect	0x00	13/1
IVCPD	IVC/LVR Power Down in	IVC/LVR ON in Stop mode	0x00	12/1
LVR	LV reset mode	Disable	0x00	10/2
CLKS	Fast Clock Source Select	FIRC (4MHz)	0x01	8/2
3V/5V Selection	5V: VCC maximum workin	5V	0x00	7/1
WDTE	WDT Reset Enable	Enable WDT Reset, D	0x01	6/1
IRCF	FIRC frequency adjustme	19	0x19	0/5

2. 程序设置时需要把 WKTIE=0 (F08,3)

MAIN:

```

..
..
MOV LW XXXX0XXXB      ;关闭 WKTIE 使能位
MOV WF 08H
..                      ;其它程序
;
;

```

*注:"X"为用户自行设定值.