

1. Description

This demo describe the usage of WDT to wakeup microcontroller from power down mode, the demo select internal 10K clock as WDT clock source, and select 1740.8 milliseconds as WDT time out interval, that is, after 1740.8 milliseconds from WDT start, microcontroller will wakeup by WDT interrupt from power mode.

2. Test

All the messages will be shown on Hyper-terminal in this demo, at baudrate 115200 bps.

Download the executable file into development board, power off and power on the development board, demo will start to run, a message require user to input a char will be shown on Hyper-terminal, user can press any key to start, first, demo will force MCU to enter power down mode by setting corresponding bit of PWRCON register, then MCU enter power down mode leaving WDT working, after 1740.8 milliseconds, WDT interrupt occurs, and wake up the MCU. During the progress, corresponding messages will be shown on Hyper-terminal.