

SYSPM – Sleep – Wake-up from RTC

› **Description:**

- This example demonstrates how to enter Sleep mode and exit it through an RTC alarm interrupt

› **Target Device:**

- Traveo-II CYT2Bx devices

› **CPU Board:**

- CYTVII-B-E-176-CPU BOARD REV.C (REV_C)

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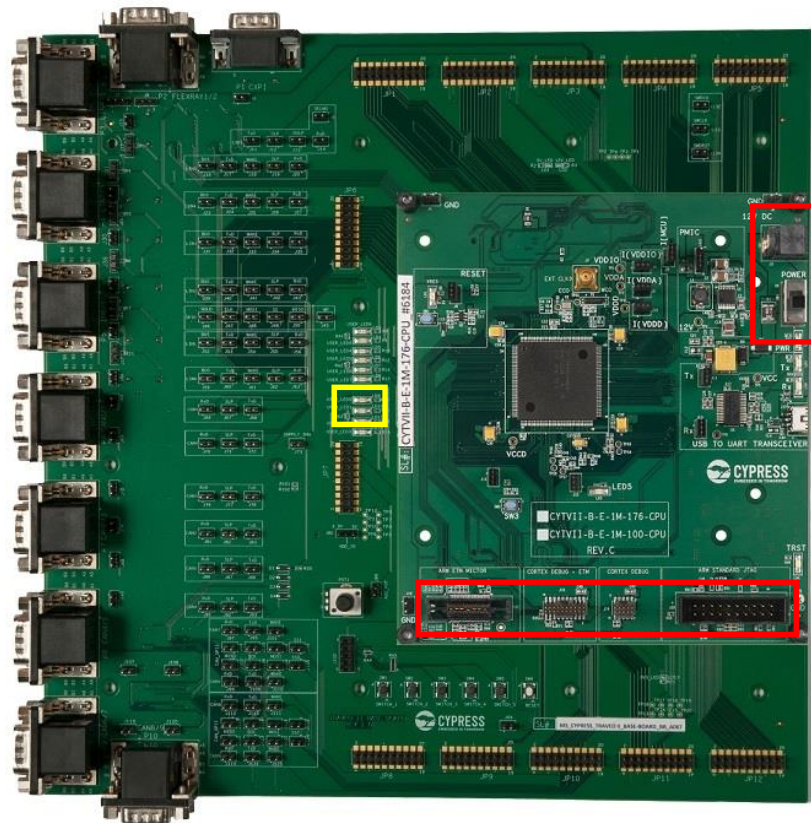
› **Dependency:**

- None

› **Expectation:**

- CM4 configures the RTC and an alarm and then enters Sleep mode
- Every 2 seconds the CPU will wake up
- It toggles one LED on the base board in the RTC alarm handler
- It toggles another LED on the base board for half a second
- Then sleep mode is entered again

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Legend:

- **Red block** for power and debug (Mandatory)
- **Yellow block** for the example specific connections