

ADC: One Channel Conversion

› **Description:**

- This example demonstrates the ADC single channel conversion via SW trigger.

› **Target Device:**

- Traveo-II CYT2B6x devices

› **CPU Board:**

- CYTVII-B-E-1M-176-CPU Rev. C Board
- CYTVII-B-E-BB Rev.A Board

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› **Dependency:**

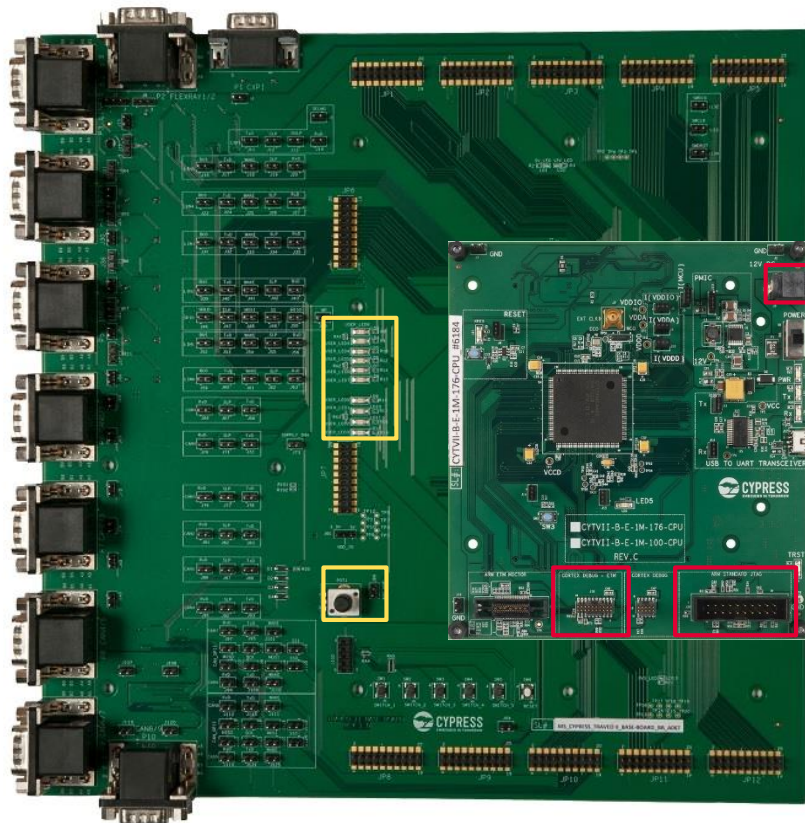
- Any example could be copied to the main “src” based on the interested core
- Also copy cy_bargraph_definitions.h, and example_config.h into main “src” folder
- In the copied example_config.h, select which core shall run the example

› **Expectation:**

- Run program.
- One channel conversion interrupt done. User should be able to see the result in buffer ‘resultBuff’ in the watch window of the IDE.
- The result (percentage) is also displayed with a LED bargraph made up of the 10 LEDs on the Traveo II base board.

The potentiometer (POTI) on the Traveo II base board is used as analog source.

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> Legend:

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