

CAN: Classic CAN

› **Description:**

- This example demonstrates transmission and reception on Classic CAN.

› **Target Device:**

- Traveo-II CYT2B9x devices

› **CPU Board:**

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

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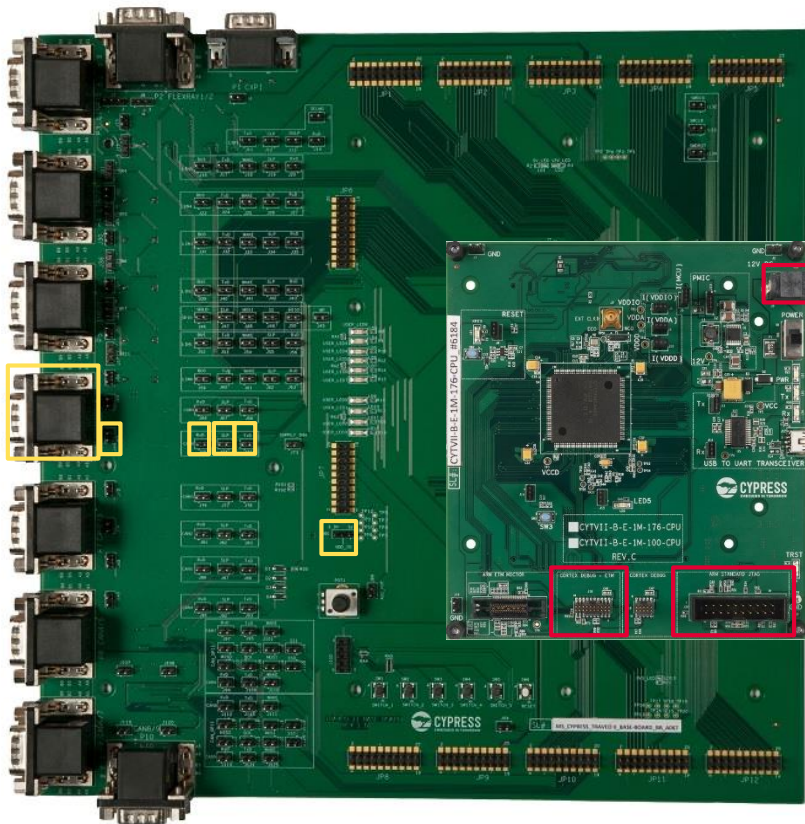
> **Dependency:**

- CYTVII-B-E-1M-176-CPU board should be connected on CYTVII-B-E-BB board.
- Jumper J70 (RX line), J72 (TX line), J71 (if wakeup needed) and J69 (terminal resistor) should be closed on base board.
- CANoe should be installed on the system.

> **Expectation:**

- Connect CAN0 connector (P6 upper one) on the base board and CANoe or other analyzer if available.
- If you have CANoe, launch CANFD_CFG.cfg in UseAsCANFDMODE folder. It is configured simple test for this example.
 - Change the Type in CAN IG tab to CAN DATA (for standard ID) and Extended CAN DATA (for extended ID)
 - Just run and monitor using trace, statistics window.
- Check the transmission and reception behavior based on configuration below:
 - 4 message is sent from periodically. (100ms)
 - 2 standard IDs and 2 extended IDs.
 - All ID filters are configured as the classical filter only following IDs are accepted by the MCU:
STD : 0x010, 0x020
EXT : 0x10010, 0x10020
- At the receive call back CAN_RxMsgCallback in the main.c, received message is sent back with received ID +1.

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> Legend:

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