› **Description**:
  – This example demonstrates transmission and reception on CANFD.

› **Target Device**:
  – Traveo-II CYT2BLx devices

› **CPU Board**:
 – CYTVII-B-E-1M-176-CPU Rev. C Board
  – CYTVII-B-E-BB Rev.A Board

› **Dependency:**
  – Any example could be copied to the main "src" based on the interested core
  – 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.
    – Make sure the Type in CAN IG tab is CAN FD (for standard ID) and Extended CAN FD (for extended ID)
    – Just run and monitor using trace, statistics window.
  – CANFD mode (500kHz for nominal bitrate, 1MHz for fast bitrate. Sampling point of both are 75%)
    – 4 message is sent from periodically. (100ms)
    – 2 standard IDs and 2 extended IDs.
      – All ID filters are configured as the clasical 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.

CAN: CANFD
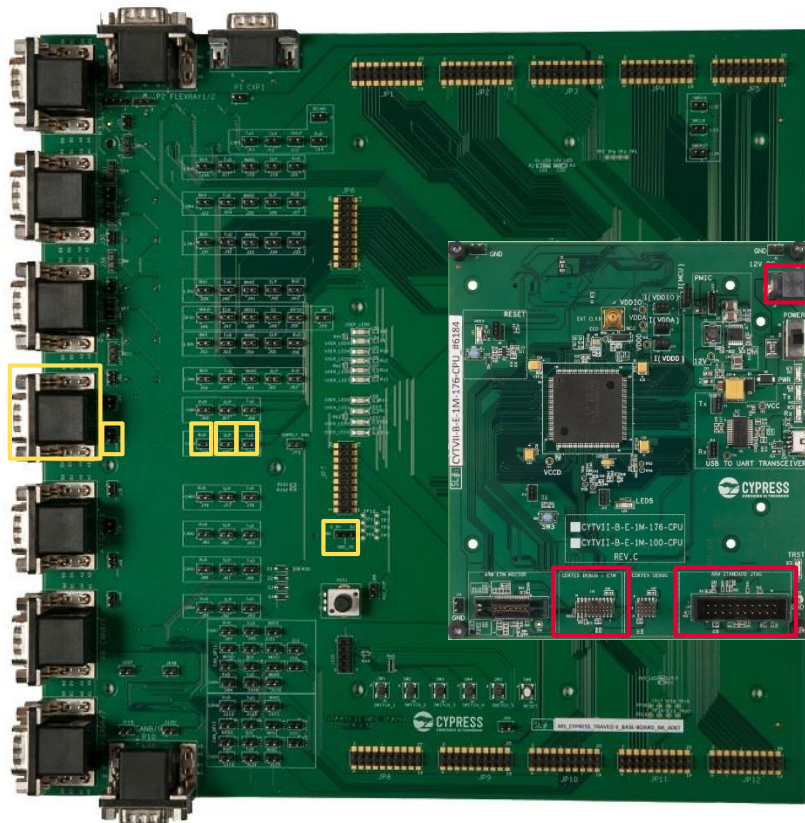
› **Legend**:

   – <mark style="background:red">Red block</mark> for power, debug and USB (Mandatory)

   – <mark style="background:yellow">Yellow block</mark> for the example specific connections