CXPI: Event Trigger – Master – NRZ Mode

- **Description**:
  - This example demonstrates CXPI transmission in Event Trigger method.
  - TVII acts as a master node of CXPI network.

- **Target Device**:
  - Traveo-II CYT2B9x devices

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

- **Dependency:**
  - CYTVII-B-E-1M-176-CPU board should be connected on CYTVII-B-E-BB board.
  - Open J11, J12, J14 on the base board. Short J6, J9, J13 on the base board.
  - Connect following pints on the base board
    - (RX) JP5.9 to J14.1, (TX) JP5.7 to J11.1, (CLK) JP5.6 to J12.2
  - Connect CXPI connector (P1) on the base board and CXPI analyzer if available.

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- **Expectation**:
  - Scheduled frames: TVII send PIDs according to below schedule

No.	ID	PID transmitter	Response transmitter	Frame length (byte)	Frame interval
1	0A	TVII	CXPI analyzer	8	100ms
2	4A	TVII	TVII	8	100ms
3	0F	TVII	CXPI analyzer	16	100ms
4	4F	TVII	TVII	16	100ms

TVII copy the response and send back to tester

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  - Event frames: Press SW1, TVII send PID = 0x4D and response to tester

No.	ID	PID transmitter	Response transmitter	Frame length (byte)
5	4D	TVII	TVII	8

  - CXPI analyzer :
    - If you have PX-10 CXPI analyzer, you can use cxpi_test.mps for it.

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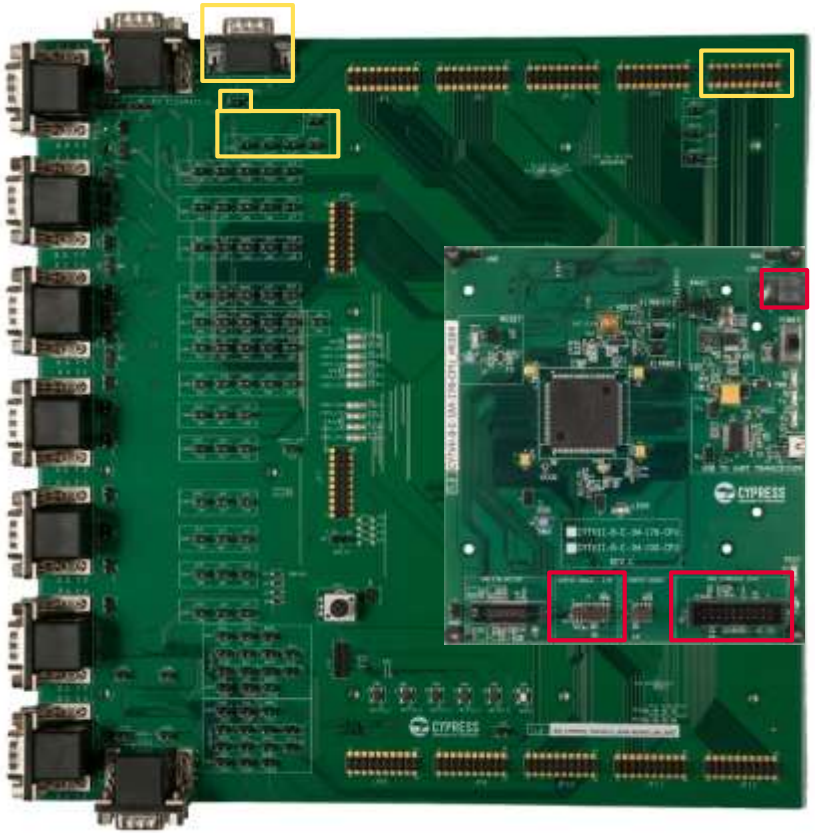

- **Legend**:
  - Red block for power, debug and USB (Mandatory)
  - Yellow block for the example specific connections