› **Description**:
  – This example demonstrates CXPI transmission in Event Trigger method.
  – TVII acts as a slave 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.

› **Expectation**:

– Scheduled frames: Tester send PIDs according to below schedule

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

– Press SW2, TVII send PID = 0x5D and request response from PX-10
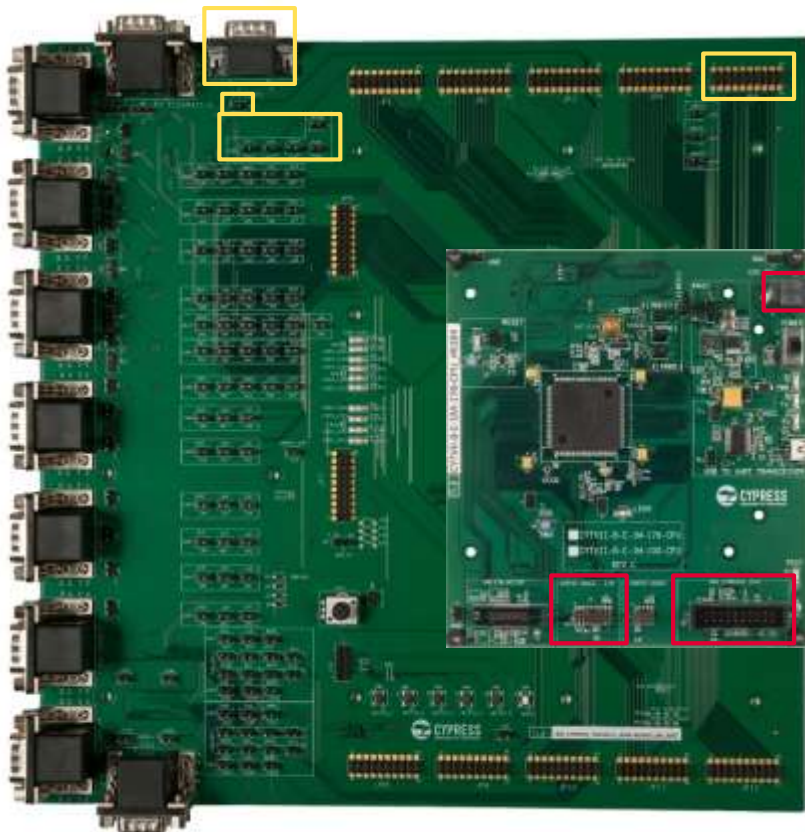 After receiving response from PX-10, TVII send back data with PID increased by 1

No.	ID	PID transmitter	Response transmitter	Frame length (byte)
6	5D	TVII	CXPI analyzer	24
7	5D	TVII	TVII	24

TVII copy the response and send back to tester

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

› **Legend**:

- <mark style="background-color:red">Red block</mark> for power, debug and USB (Mandatory)
- <mark style="background-color:yellow">Yellow block</mark> for the example specific connections