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:

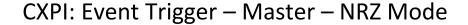
Traveo-II CYT2BLx devices

> 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:

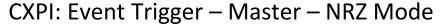
Scheduled frames: TVII send PIDs according to below schedule

No.	ID	PID transmitter	Response transmitter	Frame length (byte)	Frame interval	
1	0A	TVII	CXPI analyzer	8	100ms	TVII copy the response and send back to tester
2	4A	TVII	TVII	8	100ms	and send back to tester
3	0F	TVII	CXPI analyzer	16	100ms	TVII copy the response
4	4F	TVII	TVII	16	100ms	and send back to tester

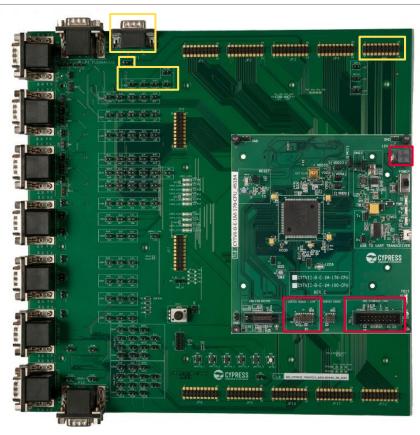
Event frames: Press SW1, TVII send PID = 0x4D and response to tester

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.







Legend:

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