

## CXPI: Polling – Slave – NRZ Mode

### › **Description:**

- This example demonstrates CXPI transmission in Polling 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:**

- Jumper J80 to be short on position 1-2 on Base Board
- 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: Tester send PIDs according to below schedule

No.	PTYPE	ID	PID transmitter	Response transmitter	Frame length (byte)	Frame interval
1	no	0A	CXPI analyzer	CXPI analyzer	8	100ms
2	no	4A	CXPI analyzer	TVII	8	100ms
3	no	0F	CXPI analyzer	CXPI analyzer	16	100ms
4	no	4F	CXPI analyzer	TVII	16	100ms
5	no	6D	CXPI analyzer	CXPI analyzer	8	100ms
6	yes	4D	TVII	TVII	8	100ms
7	yes	5D	TVII	CXPI analyzer	24	100ms
8	no	7D	CXPI analyzer	TVII	8	100ms

TVII copy the response and send back to tester

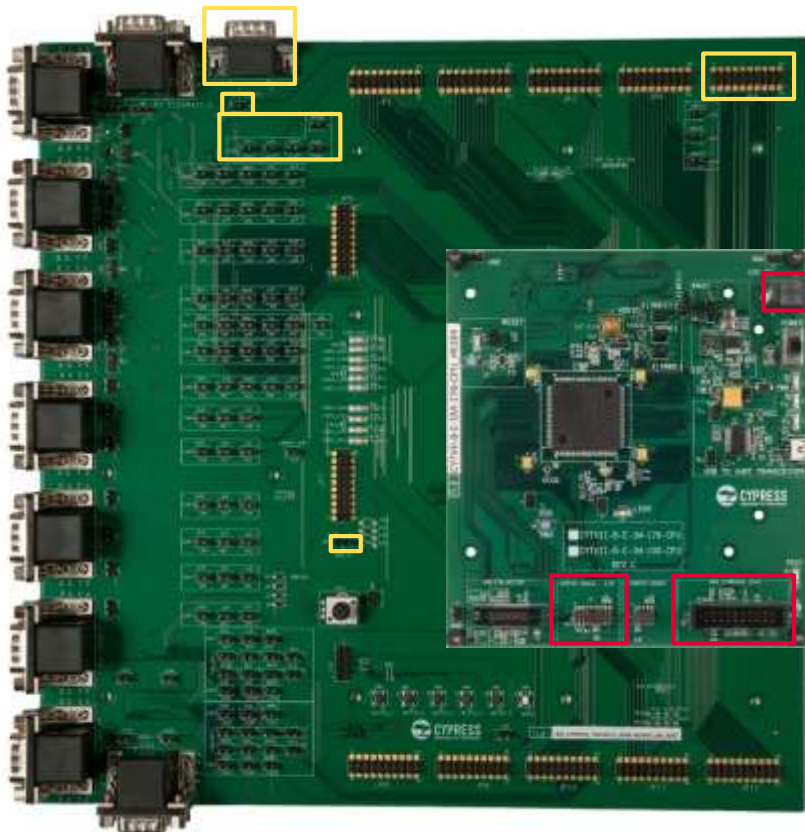
TVII copy the response and send back to tester

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- CXPI analyzer :

- If you have PX-10 CXPI analyzer, you can use cxi\_test.mps for it.

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### > Legend:

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