# CXPI: Event Trigger – Master – PWM 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 J60, J62, J63 on the base board. Short J58 on the base board.
  - Connect following pins on the base board
    - (RX) JP5.9 to J63.2, (TX) JP5.7 to J60.2, (EN) JP7.17 to J62.1
  - Connect LIN0 connector (P5 upper one) 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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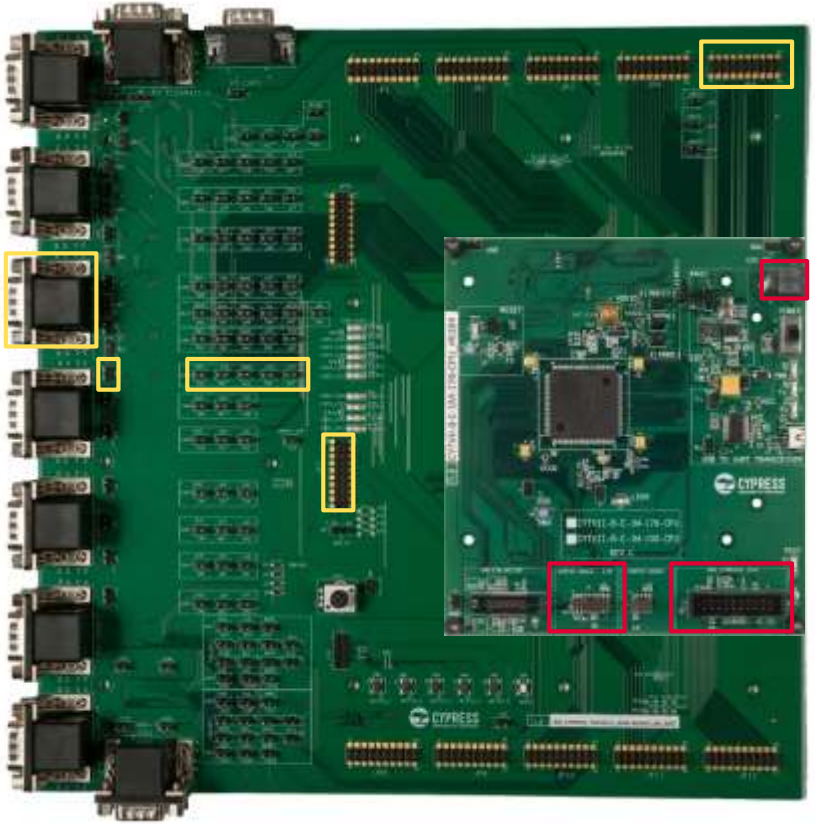

- **Legend**:
  - Red block for power, debug and USB (Mandatory)
  - Yellow block for the example specific connections