EXPLIoT
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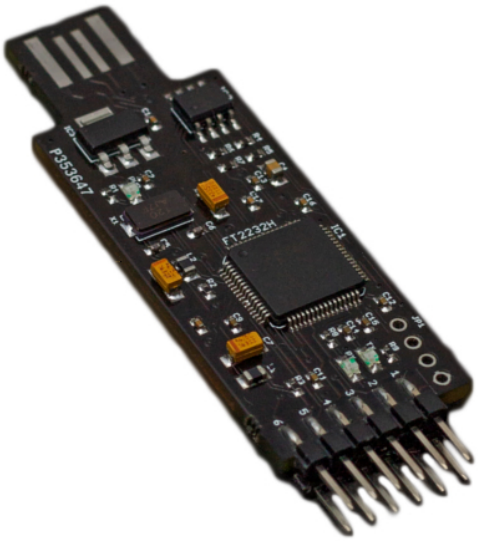
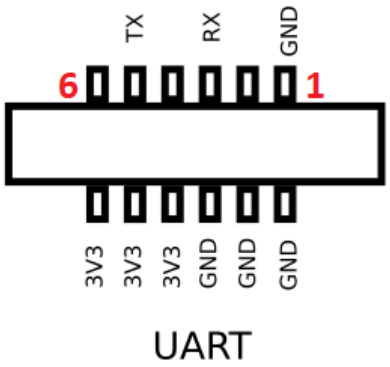
# EXPLIoT Nano



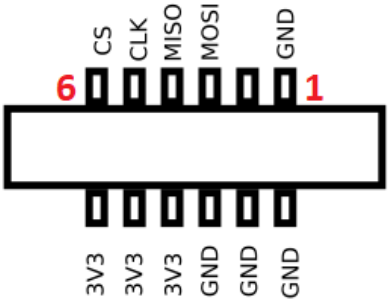
## 1. UART: (Universal Asynchronous Receiver-Transmitter)

- While working on UART protocol connect the ground of the target to pin 1 (GND) of EXPLIoT Nano or any other GND pin on Nano.
- Then, Rx of the target to Tx (Pin5) of EXPLIoT Nano and Tx of target to Rx (Pin3) of EXPLIoT Nano.
- Open any serial terminal (e.g.: minicom), set the correct COM port and baudrate.
- If you don't see readable characters try to change the baudrate or scan for correct baudrate using EXPLIoT framework's *uart.generic.baudscan* plugin. (Source code: https://gitlab.com/expliot_framework/expliot)



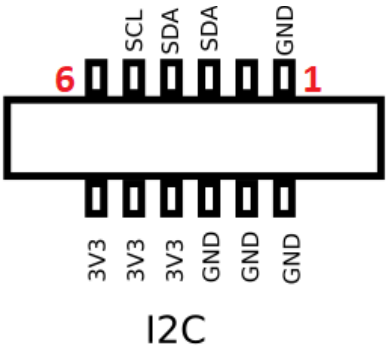

## 2. SPI: (Serial Peripheral Interface)

- Connect the MOSI, MISO, CLK (Clock), and CS (Chip Select) of the target to Pin 3, 4, 5 and 6 respectively of the EXPLIoT Nano.
- Connect the ground of target to any GND pin on the EXPLIoT Nano.
- You may want to play around with spi read and write plugins in EXPLIoT framework.



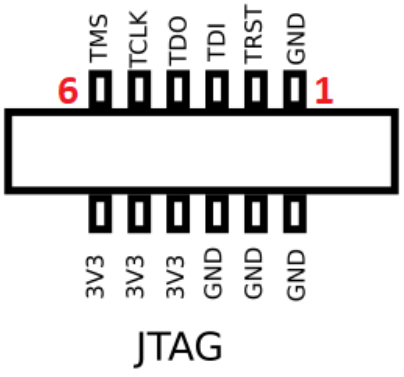

## 3. I2C: (Inter-Integrated Circuit)

- Connect the SDA pin of the target to EXPLIoT Nano pin no. 3 and 4 and SCL pin of the target to pin no. 5 of EXPLIoT Nano. (You can use a bread-board to connect target SDA pin with Nano pins 3 and 4)
- Connect the ground of target to any GND pin on the EXPLIoT Nano.
- You may want to play around with i2c read and write plugins in EXPLIoT framework.




## 4. JTAG: (Joint Test Action Group)

- Connect the TDI, TCK, TDO, TMS pins of the target to Pin 3, 5, 4 and 6 respectively of the EXPLIoT Nano.
- Connect the ground of target to any GND pin on the EXPLIoT Nano.



## 5. SWD: (Serial Wire Debug)

- Connect the SDIO pin of the target to EXPLIoT Nano pin no. 3 and 4 and CLK pin of the target to Pin no 5 of the EXPLIoT Nano. (You can use a bread-board to connect target SDIO pin with Nano pins 3 and 4).
- Connect the ground on the target to any GND on the EXPLIoT Nano.