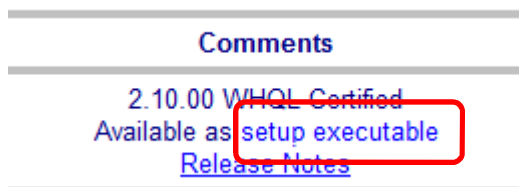


Quick Manual for TypeYD EVK



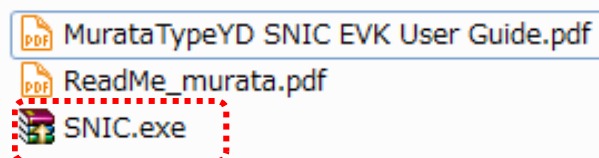
TypeYD EVK- Setup1

1. Download and Install the driver of URAT-USB FTDI from below site.
<http://www.ftdichip.com/Drivers/D2XX.htm>



click setup executable for file download

2. Install SNIC.exe on provided CD for file extraction and setup.exe for PC tool.
2.1 File extract to click SNIC.exe included in CD
Files are extracted in C:¥SNIC if installed with default set.

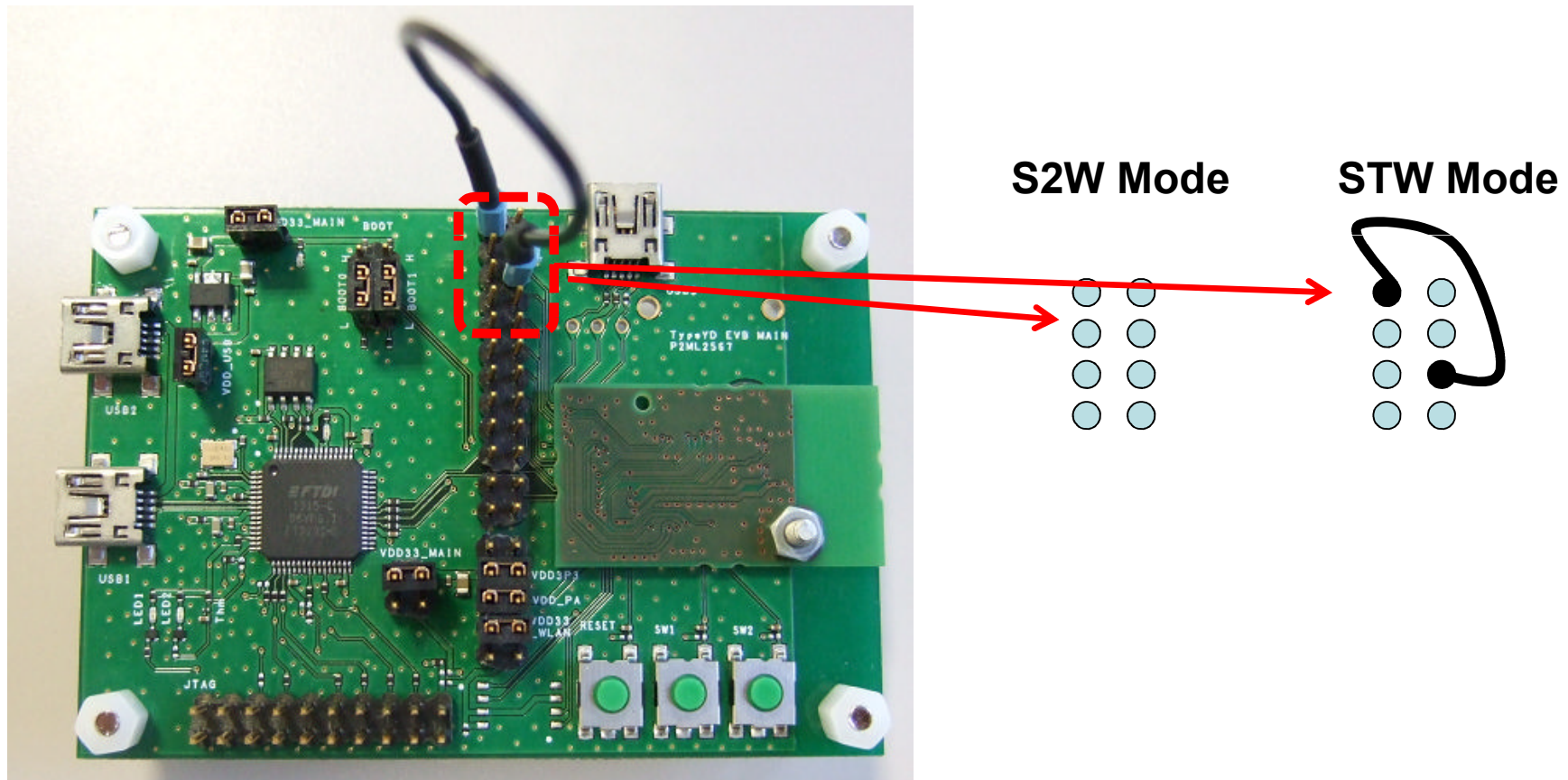


- 2.2 Install C:¥SNIC¥Tools¥SNIC monitor¥ setup.exe for PC tool

Serial 2 WiFi Test - 1

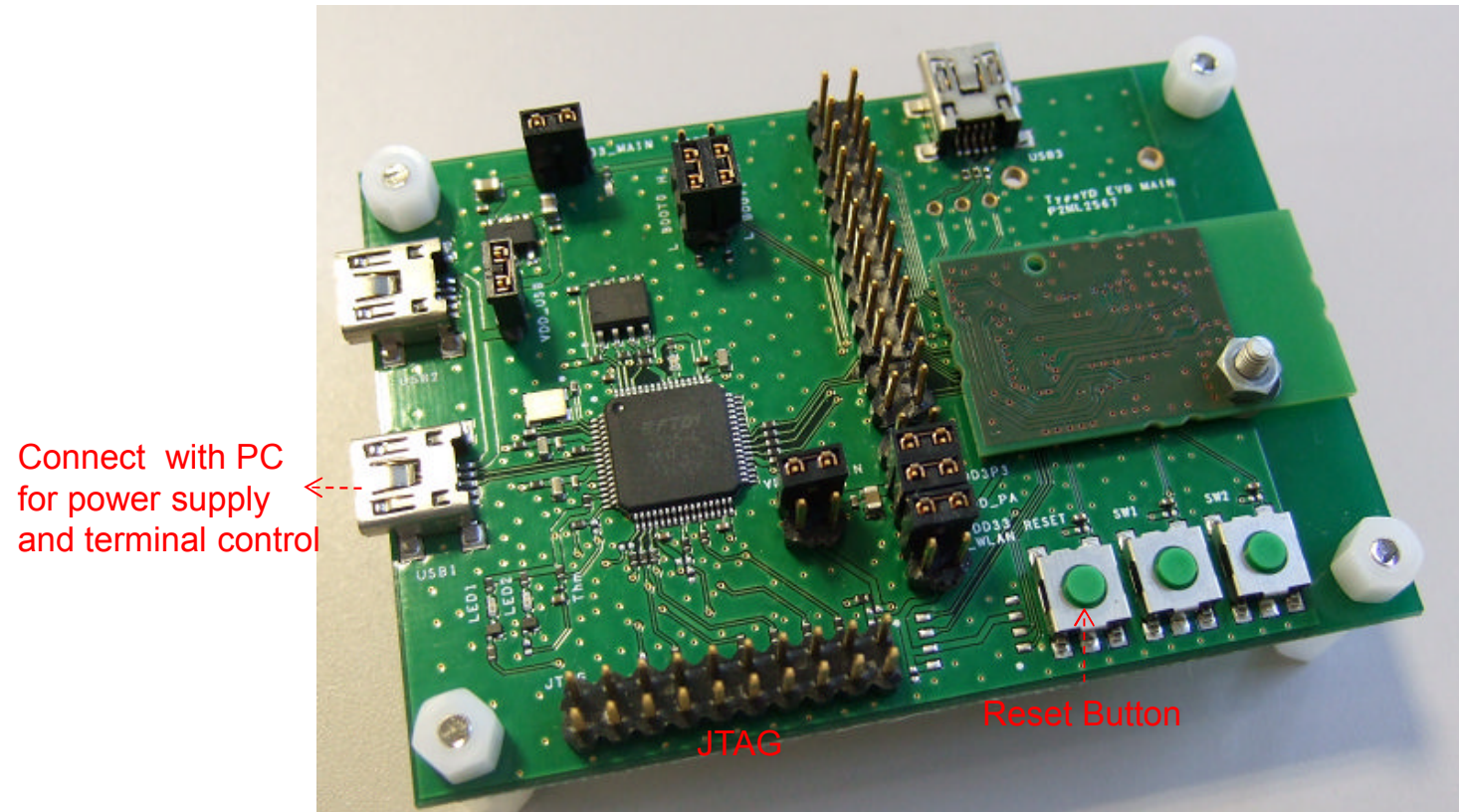
1. STA EVB Pin check for **S2W mode**

Refer to below document for the meaning of Serial 2 WiFi and Serial Through WiFi
C:\¥SNIC¥SNIC_UART¥Documents¥ Murata SNIC Serial Interface Specification.pdf



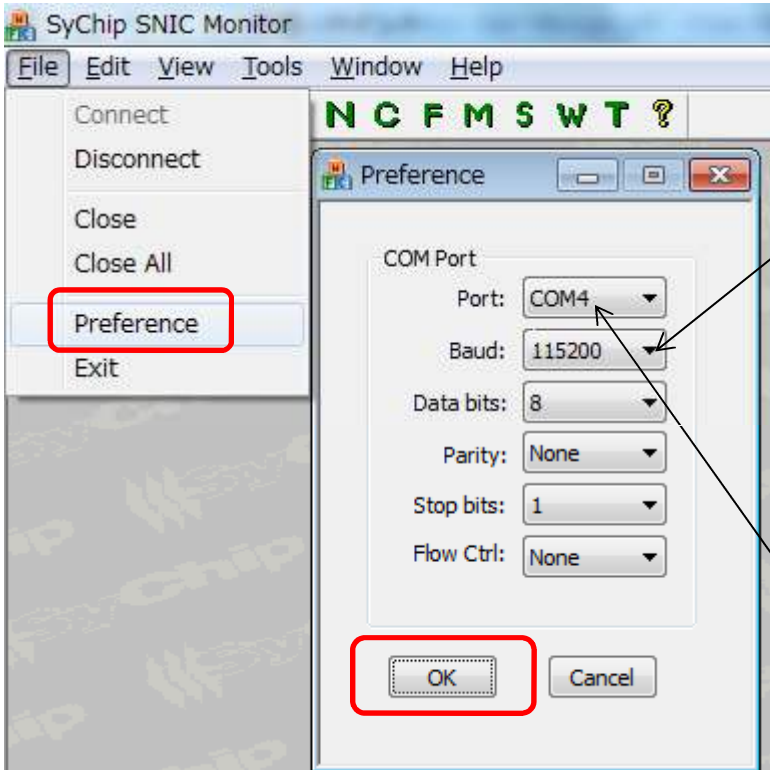
Serial 2 WiFi Test - 2

- 2. Connect the EVB with the computer with the mini USB cable.
If power supplied, system will start automatically.

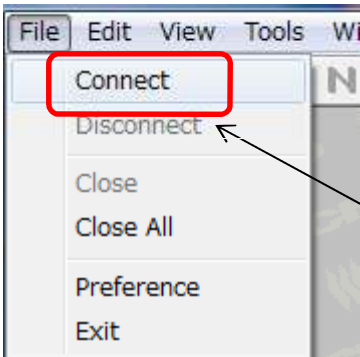


Serial 2 WiFi Test - 3

3. Start up Test tool [SNICMonitor] ICON on desktop and set up as below.



The screenshot shows the 'Preference' dialog box of the SyChip SNIC Monitor. The 'COM Port' section is highlighted with a red box, showing 'Port: COM4', 'Baud: 115200', 'Data bits: 8', 'Parity: None', 'Stop bits: 1', and 'Flow Ctrl: None'. The 'OK' button is also highlighted with a red box. A callout box points to the 'Baud' field with the text 'Baud rate is 115200 not 921600.'.



The screenshot shows the main window of the SyChip SNIC Monitor. The 'Connect' button in the 'File' menu is highlighted with a red box. A callout box points to it with the text 'Click Connect'.

→

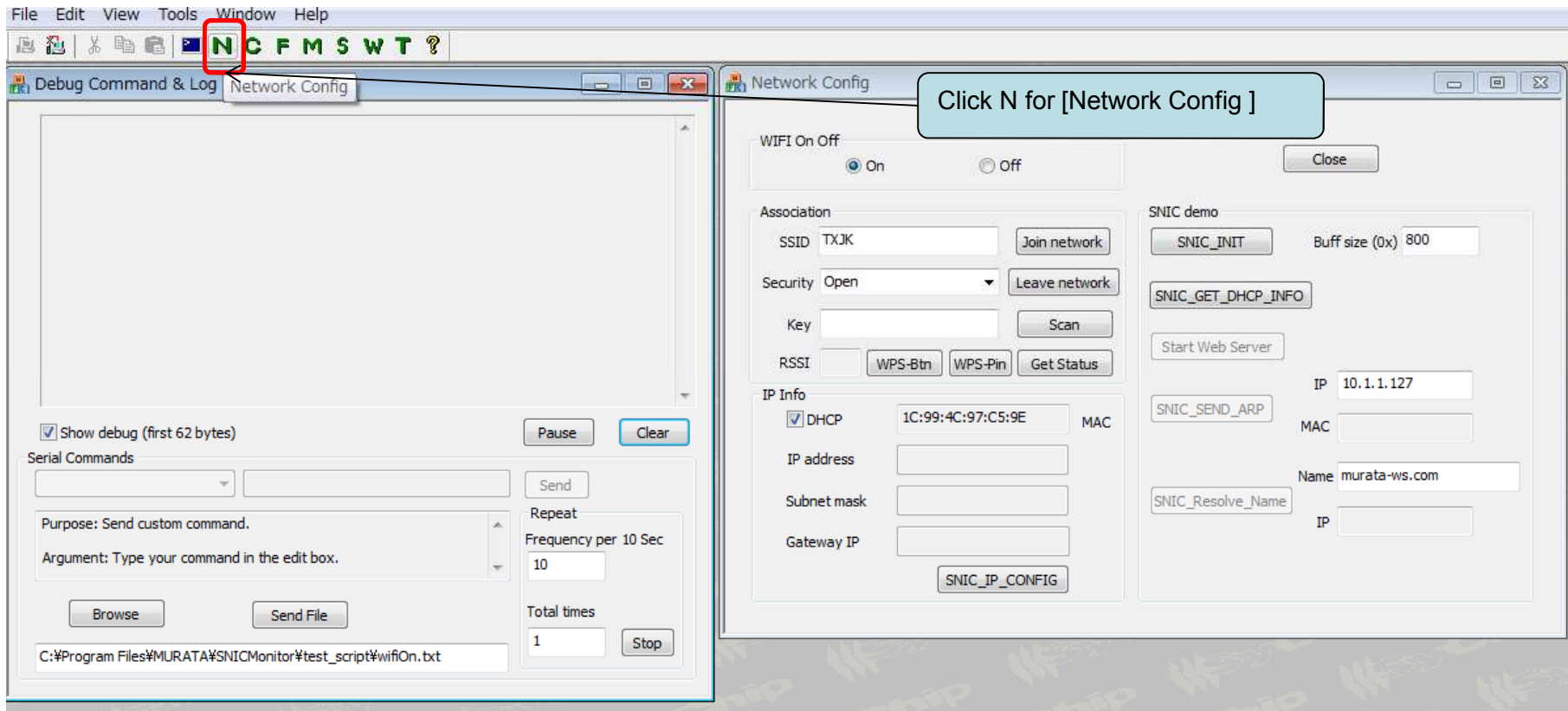
2 COM port is detected on PC's device driver.

Upper COM port is used for this test. Please set COM4 as below example

- USB Serial Port (COM2)
- USB Serial Port (COM4)

Serial 2 WiFi Test - 4

4. Debug command and GUI command control



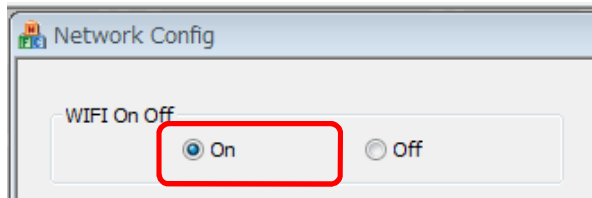
- Debug Command & Log is for log display and command send control
- Network Config is for GUI command control

Serial 2 WiFi Test - 5

5. For WiFi On Test

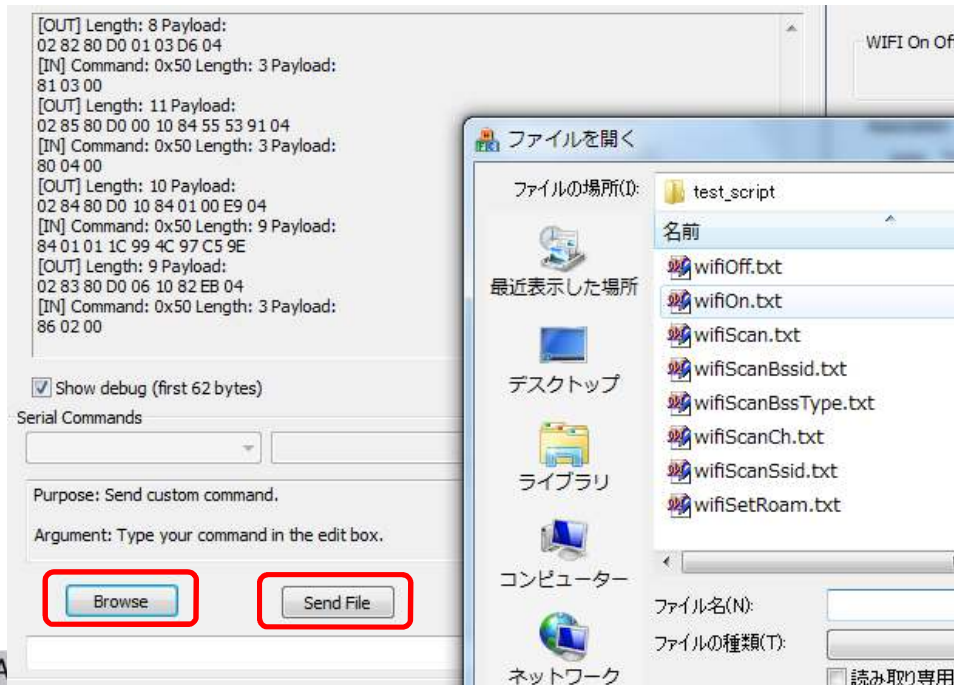
-There are two method for Wifi On with GUI control and command send control

5.1 GUI control



Click On of WIFI OnOff

5.2 Command send control



Click Browse

->select script file the

C:¥Program

Files¥MURATA¥SNICMonitor¥test_script¥wifiOn.txt

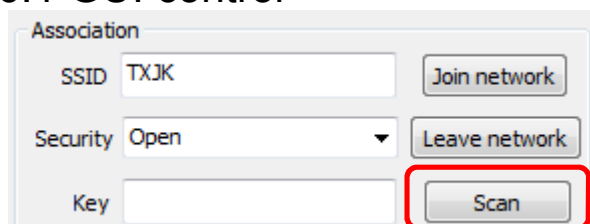
-> Click Send File

Serial 2 WiFi Test - 6

6. For SCAN and AP connect

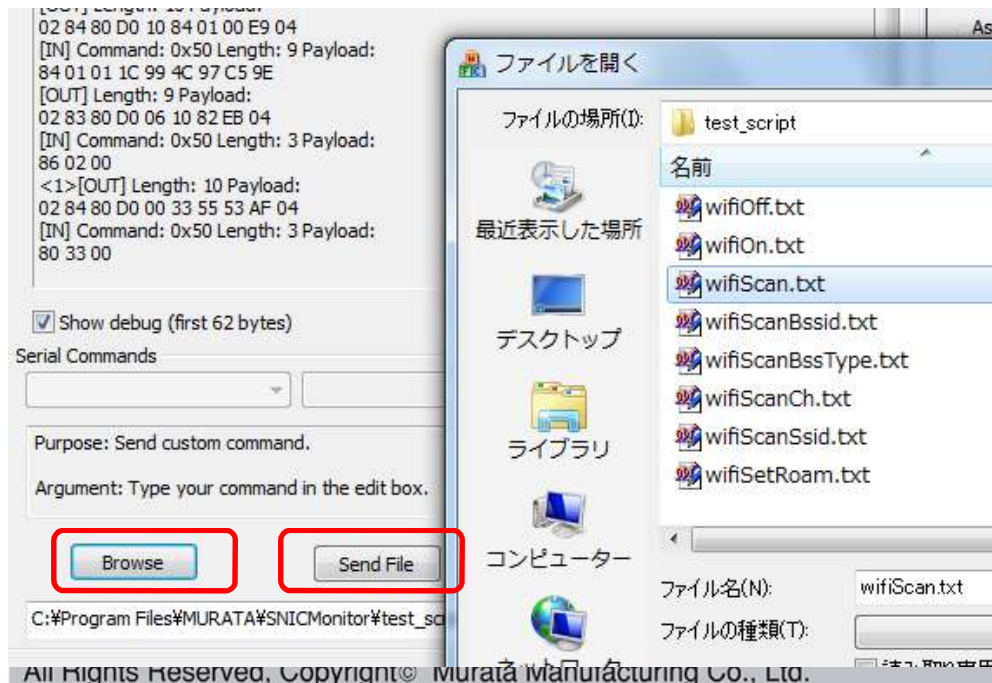
-There are two method also as [4. For WiFi On Test]

6.1 GUI control



Click Scan Button

6.2 Command send control



Click Browse

->select script file the

C:\Program

Files\MURATA\SNICMonitor\test_script\wifiScan.txt

-> Click Send File

Serial 2 WiFi Test - 7



7. For more test

Do as same method [4 & 5. For SCAN and AP connect] page for more test.

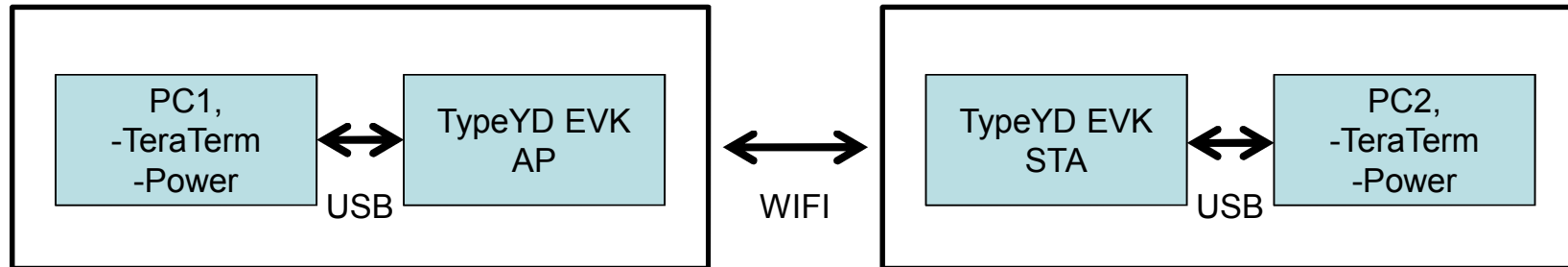
And also we can edit and make script file.

Please refer to

C:\¥SNIC¥SNIC_UART¥Documents¥Murata SNIC Serial Interface Specification.pdf
for command list and specification

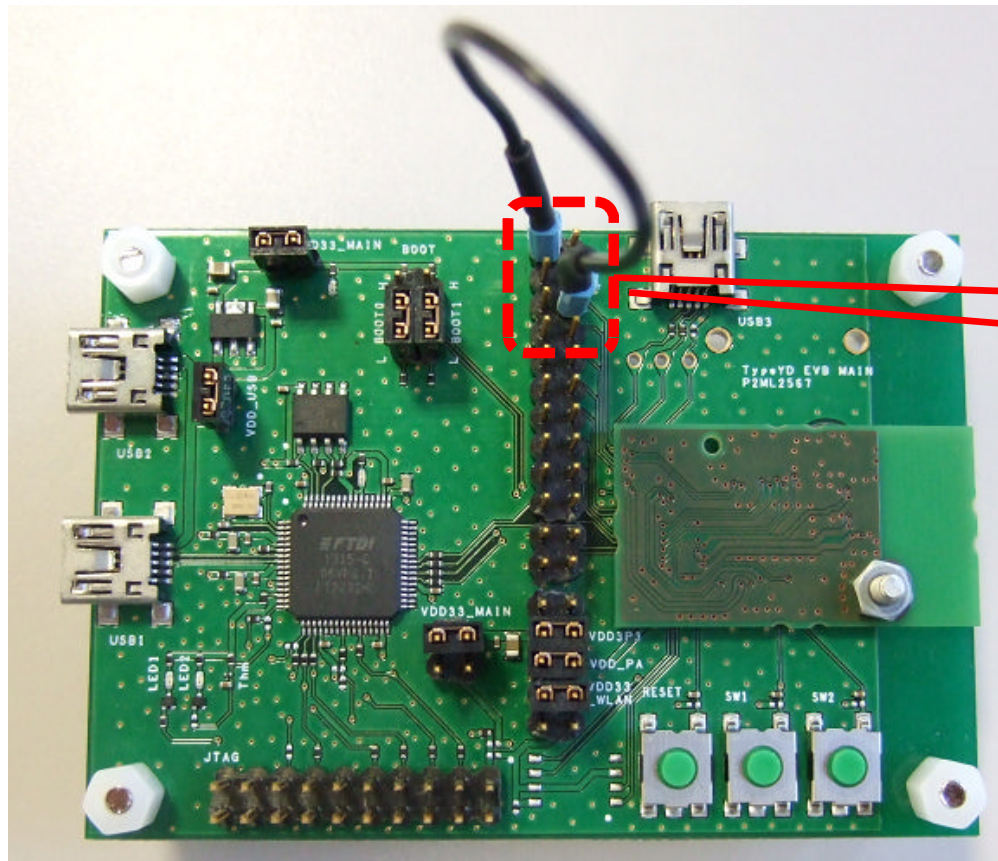
Serial Through WiFi Test - 1

1. This is a TEST set image.



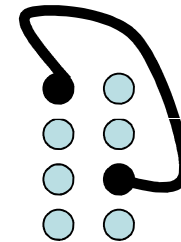
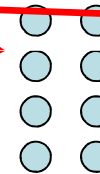
Serial Through WiFi Test - 2

2. EVB AP and STA Pin check for STW mode



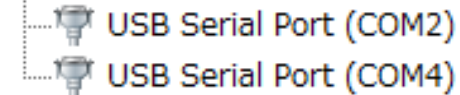
S2W Mode

STW Mode



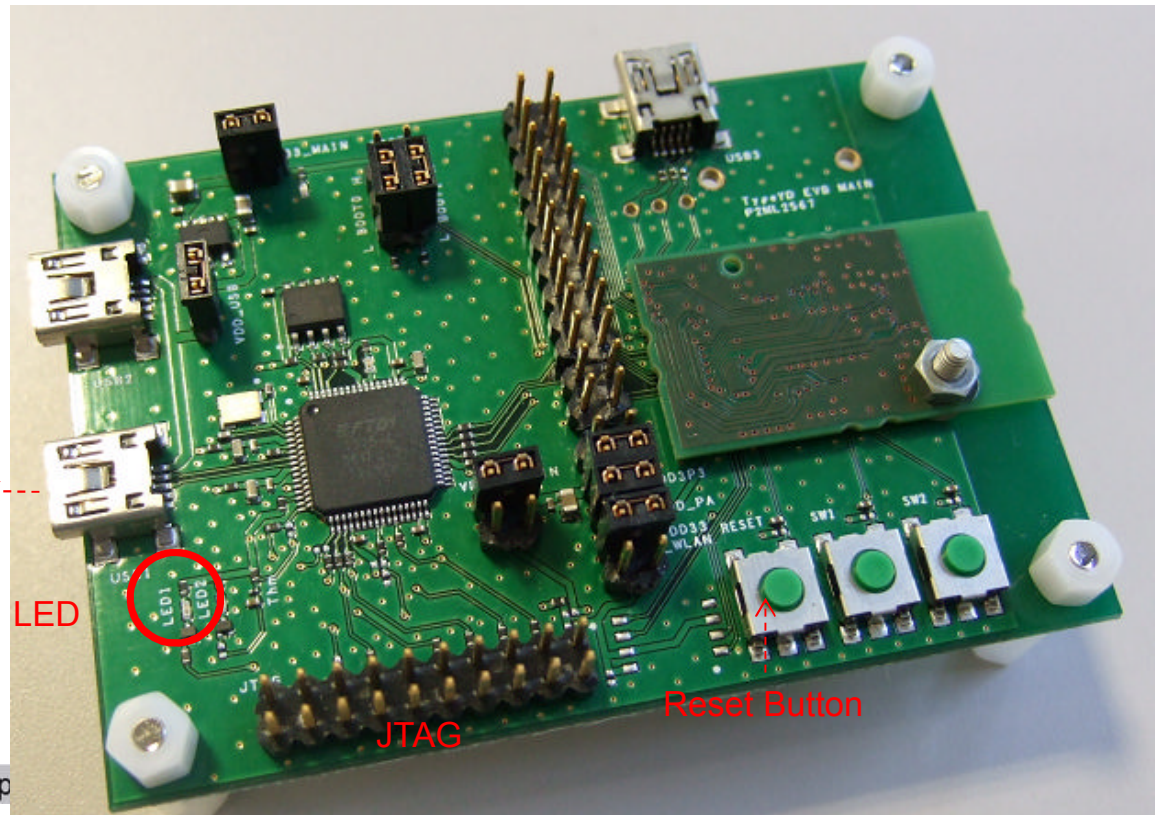
Serial Through WiFi Test - 3

3. Connect AP and STA's EVB with the mini USB cable to the each computer
4. And then start up teraterm on each PC (setup COM port with baud rate 115200).
2 COM port is detected. Upper COM port is used for this test
Please set COM4 as below example



5. AP and STA establish TCP connection. Wait for LED1 (green) to turn on to indicate that the connection is established

Connect with PC
for power supply
and terminal control



Serial Through WiFi Test - 4

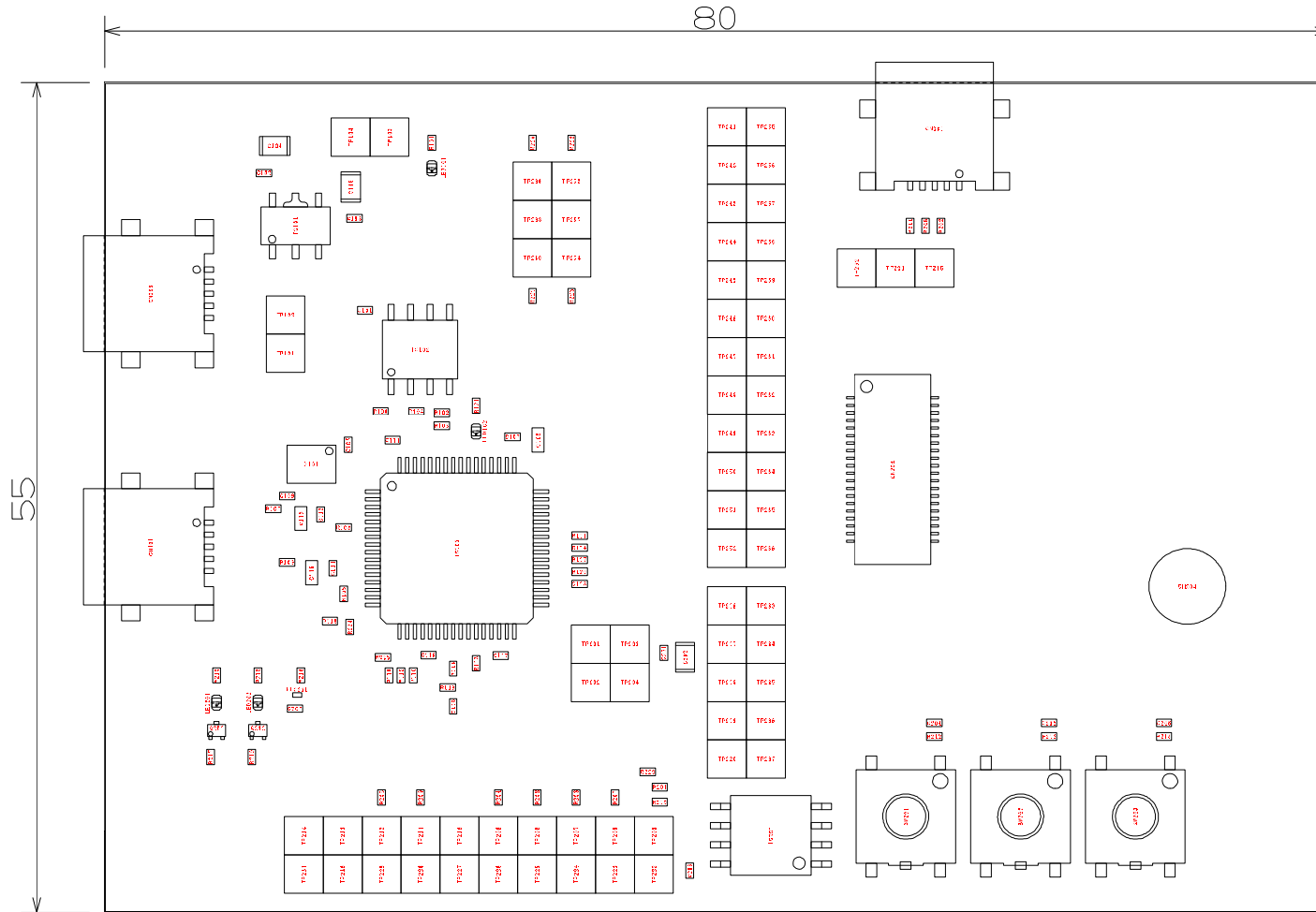


6. If any key is clicked on the PC1 terminal ,
clicked characteristic is appeared on the PC2's terminal.
PC2 is received data from PC1 through WiFi.

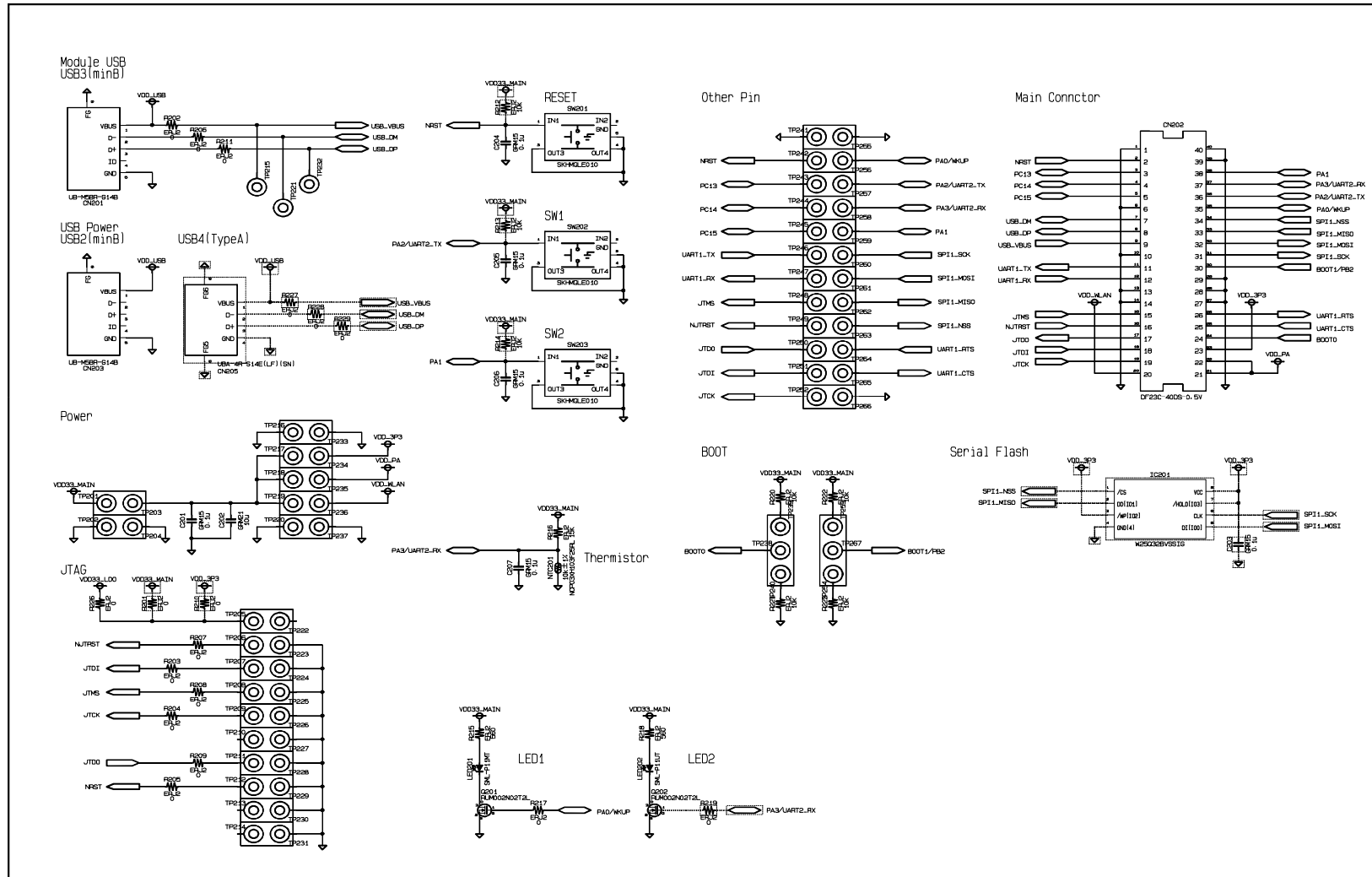
Refer to this document for detail test

C:\¥SNIC¥SNIC_UART¥Documents¥ Murata SNIC UART Serial Interface User Manual.pdf

Type YD EVK- Layout



Type YD EVK- Schematic



Type YD EVK- JTAG

Murata EVK has JTAG pins with below specification.

- Pin number : 20 pins
- Pin pitch : 2.54mm

