MBED EXAMPLE USER GUIDE
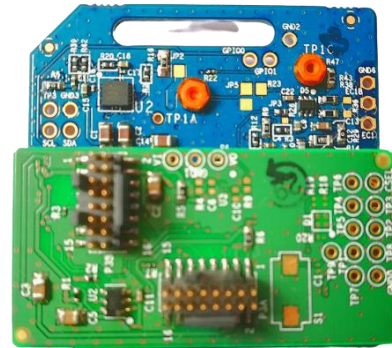
Contents

Hardware Requirements:

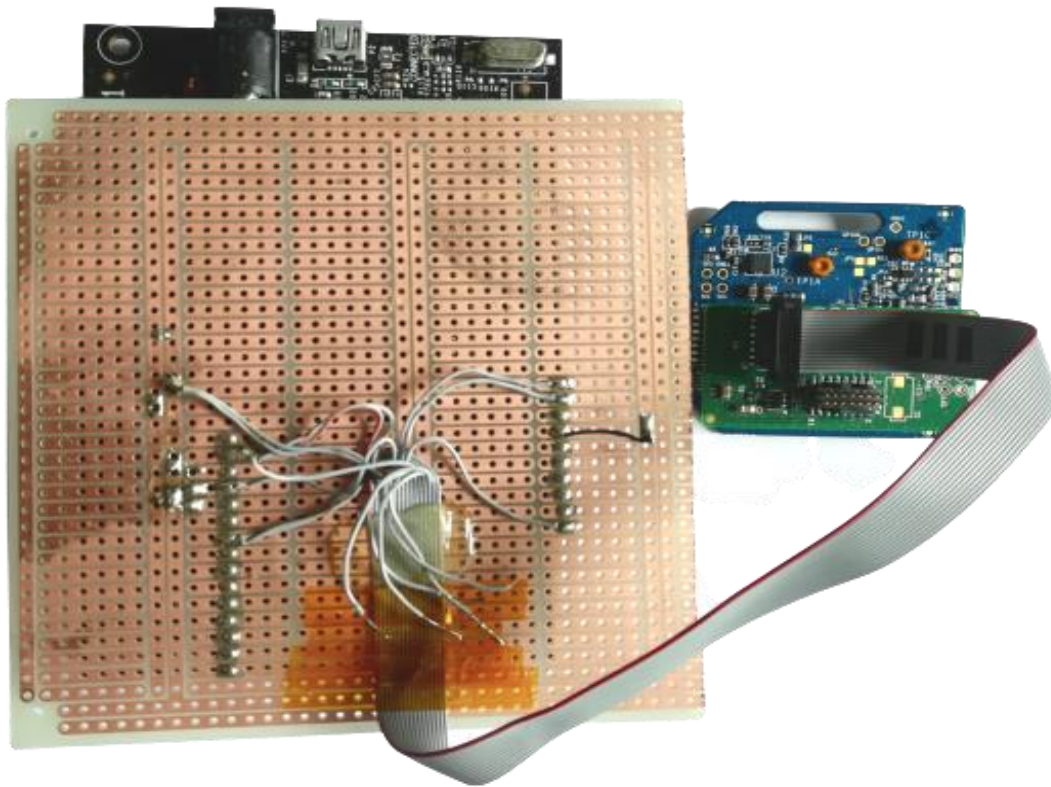1. a. SDP_K1 Eval board   b. ADPD sensor board with a connector

2. USB Mini cable

Software Requirements:

1. Tera Term serial console: https://download.cnet.com/Tera-Term/3000-2094_4-75766675.html

Typical Setup
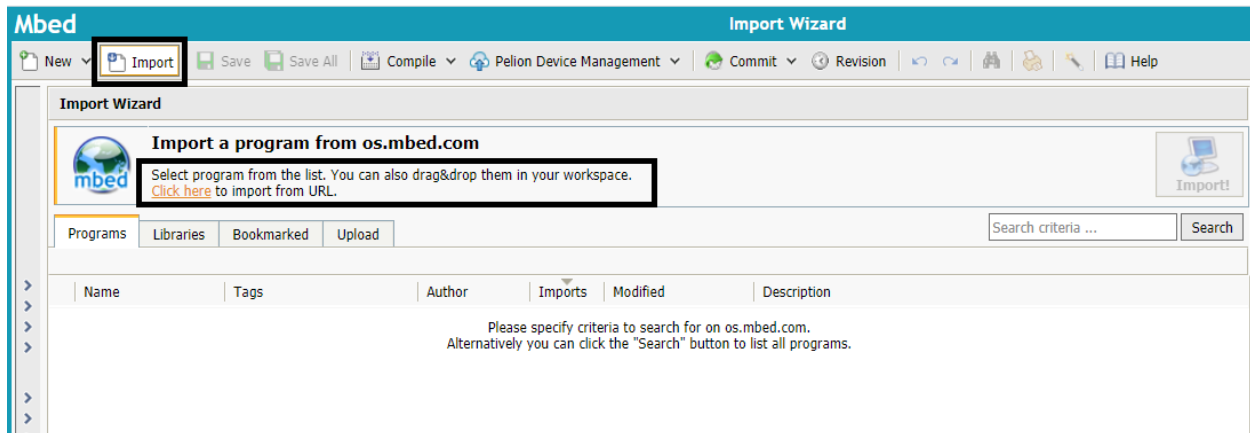

The connector is stacked on to the Arduino header of the sdp_k1 board.
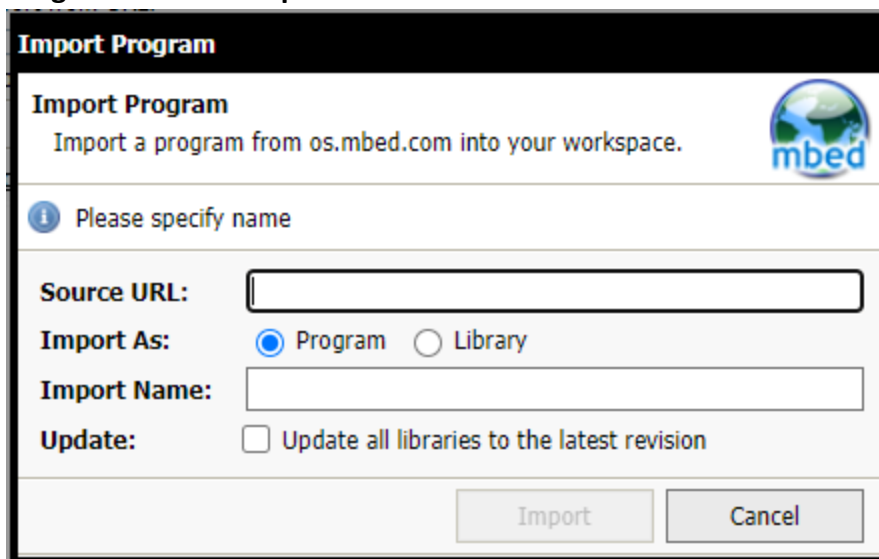
Connection Diagram:

Steps to load mbed program:

1. Create the account at https://os.mbed.com/ and log in.
2. Click the https://os.mbed.com/platforms/SDP_K1/ , the target board will displayed and add to the compiler.
3. In the mbed online compiler, click the **import** option and click the **import from the url**.
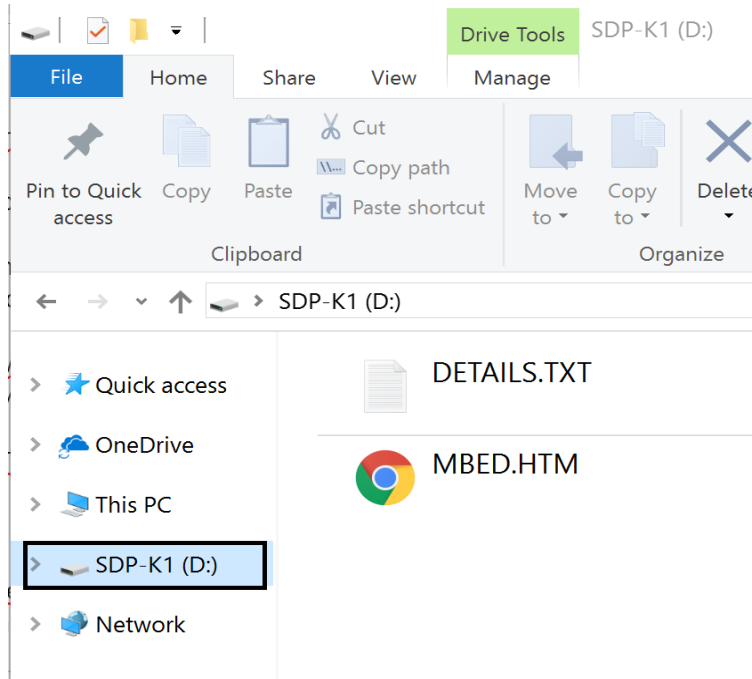

4. A popup window will be opened. In that enter the **Source URL**, choose the **Import as** a **Program** and click I**mport**.
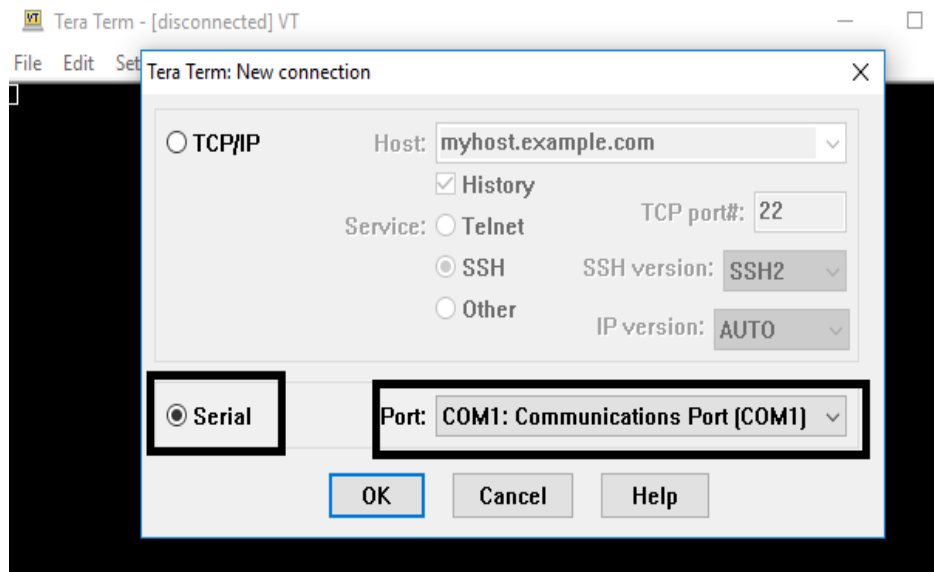

5. After the importing has been done successfully, click the **compile** option in the mbed online compiler. A binary file will be downloaded after successful compilation.
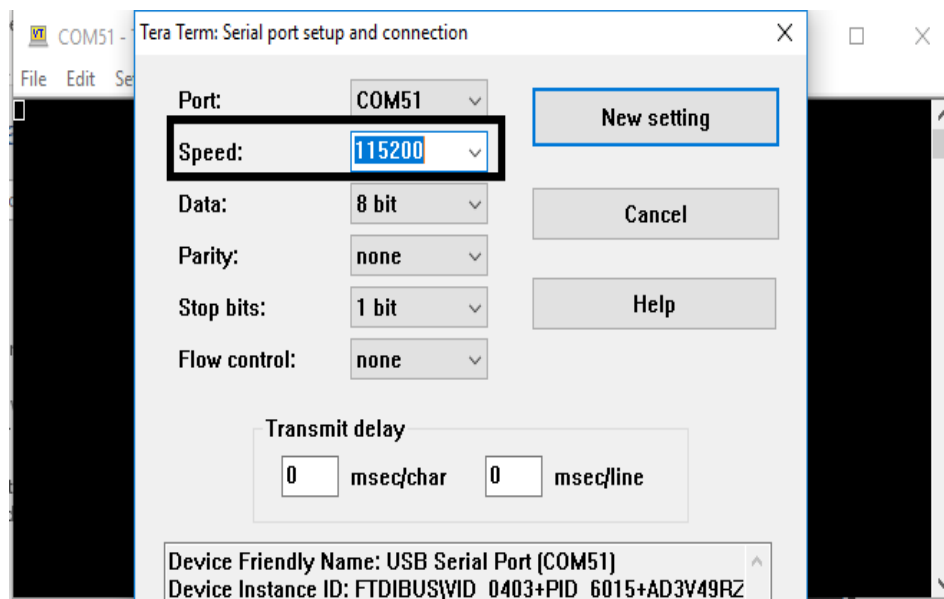
6. Plug the hardware to USB socket of the PC with USB mini cable. The drive partition will be displayed in PC with name as SDP_K1.

7. Open Tera Term serial console and select the com port of the MCU. Identify the **COM** port by opening Device Manager in the host PC.
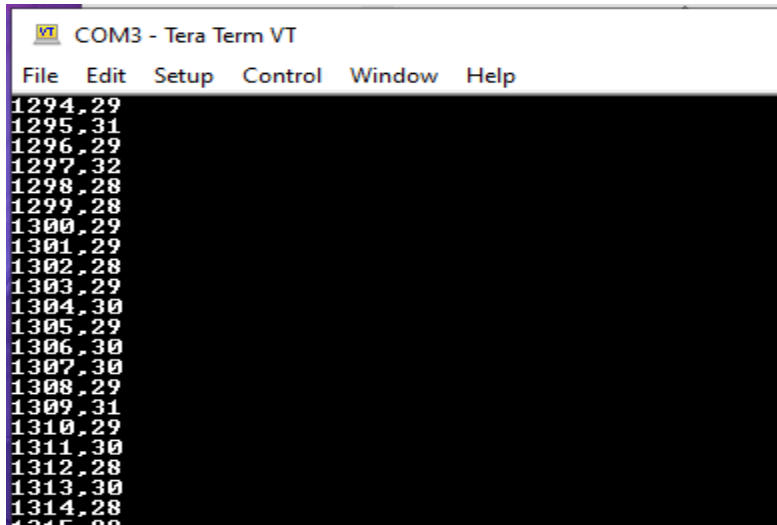
8. Click the **Setup** option, in that choose the serial port. Select the baud rate/Speed as 115200 and hit OK or New Setting.

9. Drag and drop the downloaded binary file into the SDP_K1 drive partition on PC.

10. In the Serial Console, the data will be displayed.