1.Operation Summary

This program disply the output voltages of potenshmeter and the temperature in the Tera Term.
That temperature which is measured voltage of thermistor by ADC and adjusted using temperature correcting means by the CPU.

2.Board setting

connect the terminal on the evaluation board as follows
CN5　1-2 3-4　CN12　3-4 13-14

3.Basic Operation

The value of the output voltage of a thermistor is measured by ADC. Then, it is ajdusted using temparature correcting means by the CPU.
And finally, it is output to the terminal software in the host PC through USB-UART connection in every output cycle
The 2 output voltages of potenshometer is measured by ADC. Then this data disply on the TeraTrerm with temperature.

Output Cycle

OUTPUT_PERIOD　:default = 5000(ms)
The cycle length can be changed by altering the value of main.c:"#define CFG_OUTPUT_INTERVAL"

ADC Setting

AIN_CH0:　:PR0　:connected to temparature sensor
AIN_CH1　:PP0　:connected to RV1

UART Setting

TXD	:PE3
Baud Rate	:115200(bps)
Data	:8(bit)
Parity	: None
Stop Bit	:1(bit)
Flow Control	: None

4.Output Example

Output the temparature in degree Celsius