

1. Operation Summary

This sample program generate 32kHz with LTTMR.

2.Board setting

Connect the terminal on the evaluation board as follows

CN5 1-2 3-4 CN9 1-2

3. Setting

UART Setting

TXD	:PE3
RXD	:PE2
Baud Rate	:115200(bps)
Data	:8(bit)
Parity	: None
Stop Bit	:1(bit)
Flow Control	: None

LED : PortE4

4. Basic Operation

The program of the following functions will operate.

Request user input Y or N by the "Next Stop =(y/n)".

In case of Y or y, disable to LTTMR interrupt and stop count of LTTMR.

In case of N or n, enable to LTTMR interrupt and start count of LTTMR.

function	detail
LTTMR	Divide IHOSC 2 to generate $10 \text{ MHz} / 305 = 32.787 \text{ kHz}$ Switch turn on/off LED by LTTMR interrupt.

Output Example of Tera Term

```
LTTMR Start
Next Stop =(y/n)y
LTTMR Stop
Next Stop =(y/n)n
LTTMR Start
```

When you input Y or y, disable LTTMR interrupt and stop count of LTTMR.

In case of N or n, enable to LTTMR interrupt and start count of LTTMR.