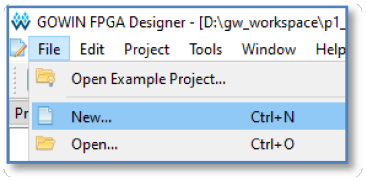
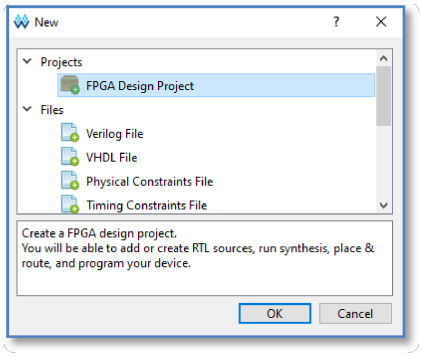
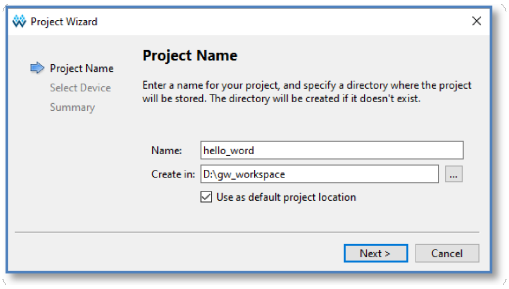
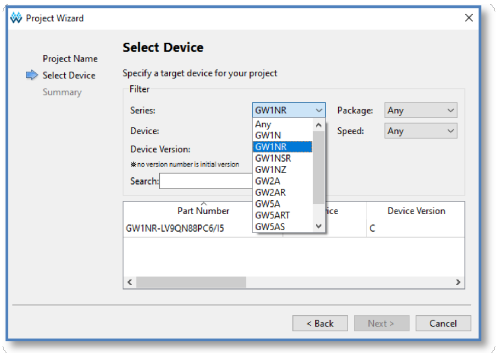
Setup Gowin for TangNano9K

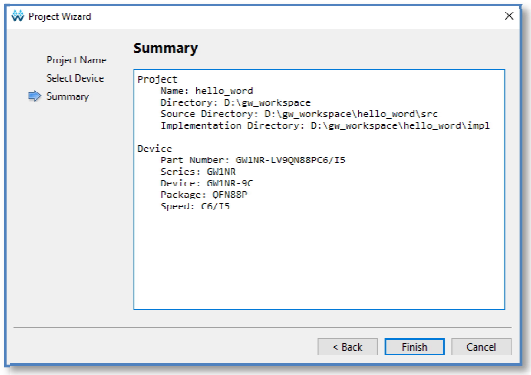
https://gowinsemi.com/en/support/download_eda/

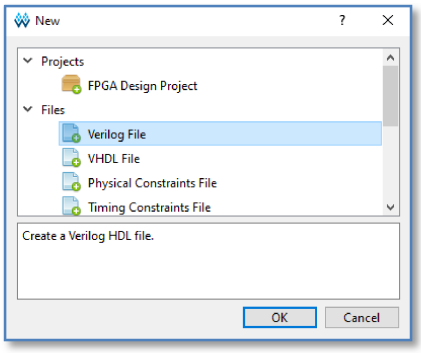


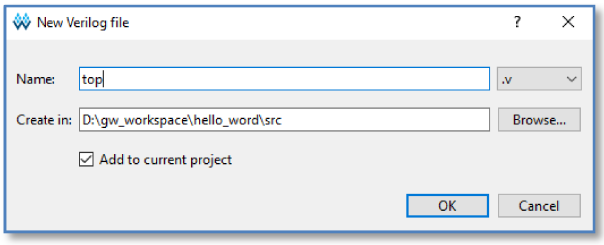


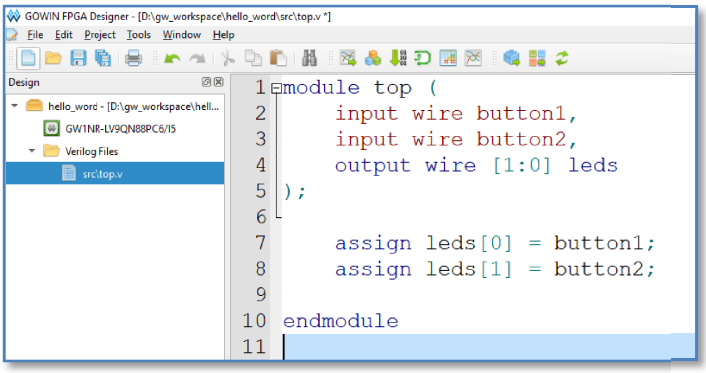






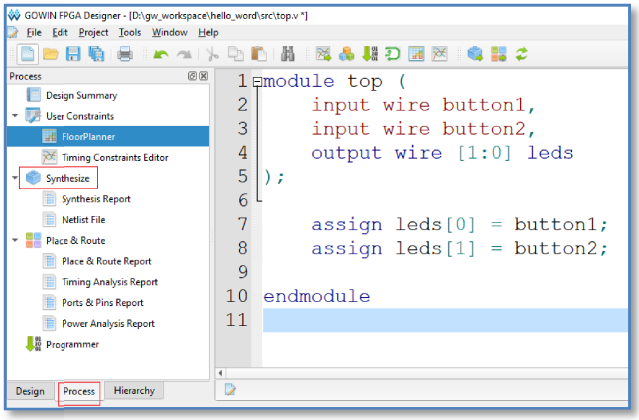


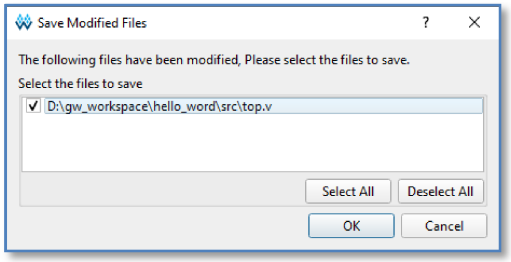


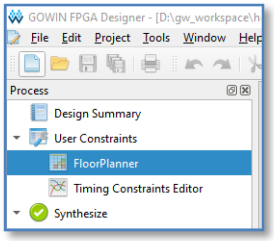


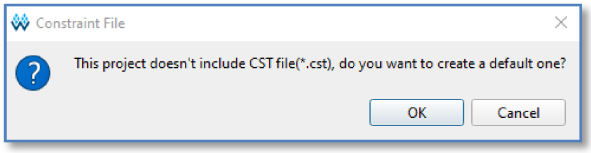
top.v

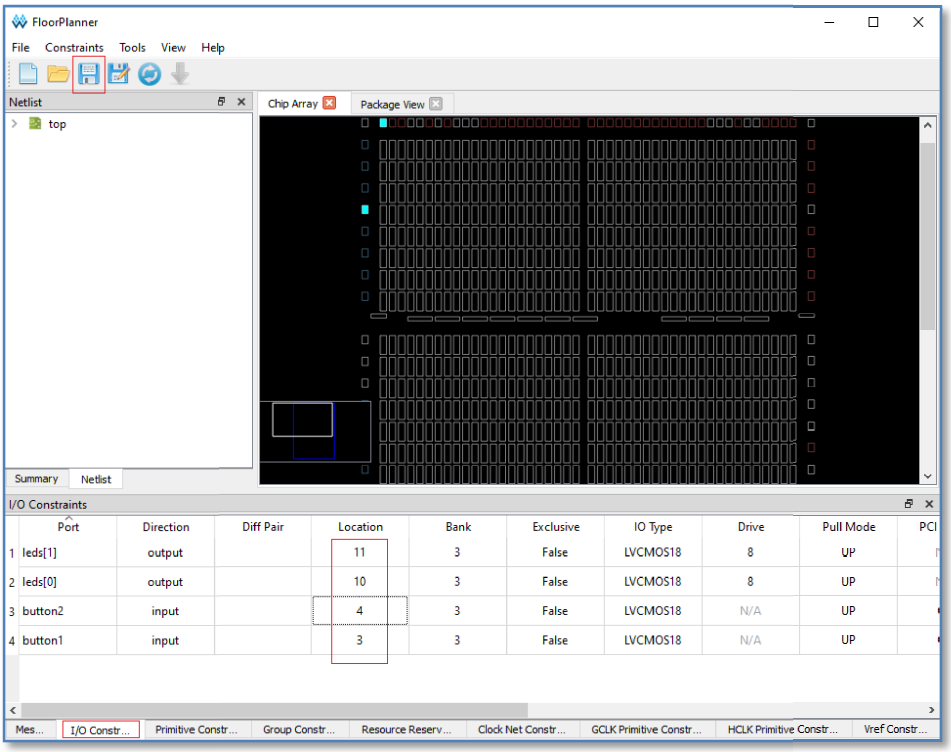
```
module top (
    input wire button1,
    input wire button2,
    output wire [1:0] leds
);

    assign leds[0] = button1;
    assign leds[1] = button2;

endmodule
```





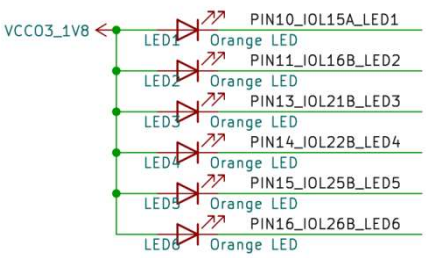


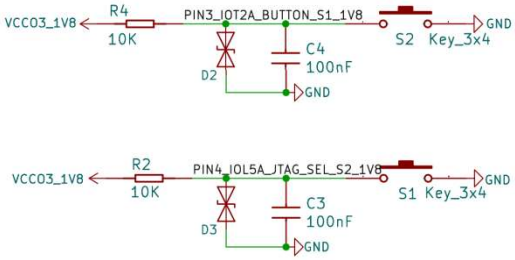


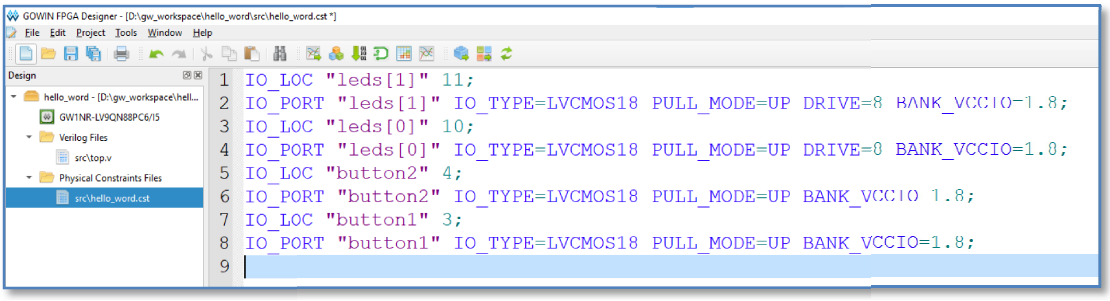


Hardware Schematic

https://wiki.sipeed.com/hardware/en/tang/Tang-Nano-9K/Nano-9K.html

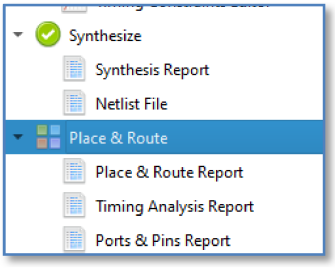


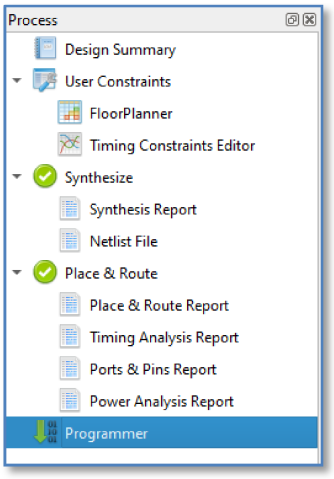


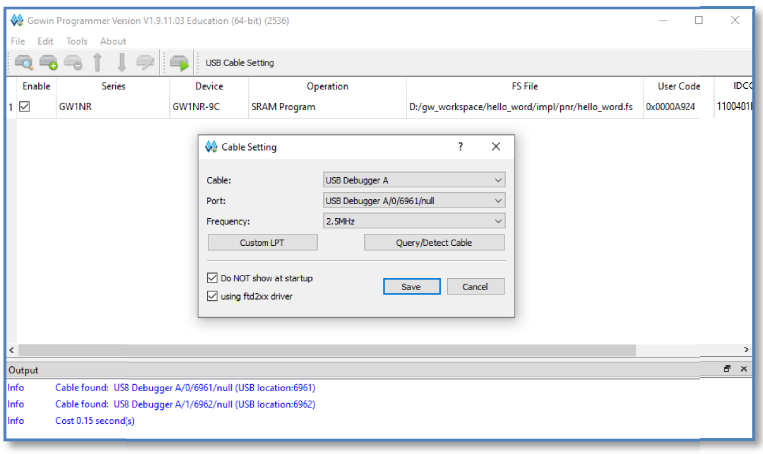


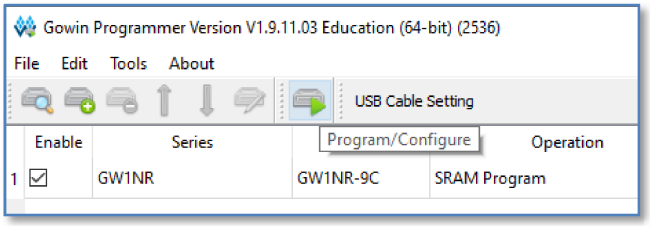
hello_word.cst

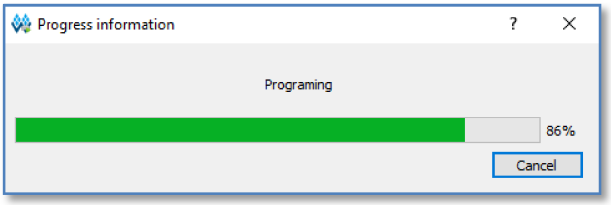
```
IO_LOC "leds[1]" 11;
IO_PORT "leds[1]" IO_TYPE=LVCMOS18 PULL_MODE=UP DRIVE=8 BANK_VCCIO=1.8;
IO_LOC "leds[0]" 10;
IO_PORT "leds[0]" IO_TYPE=LVCMOS18 PULL_MODE=UP DRIVE=8 BANK_VCCIO=1.8;
IO_LOC "button2" 4;
IO_PORT "button2" IO_TYPE=LVCMOS18 PULL_MODE=UP BANK_VCCIO=1.8;
IO_LOC "button1" 3;
IO_PORT "button1" IO_TYPE=LVCMOS18 PULL_MODE=UP BANK_VCCIO=1.8;
```



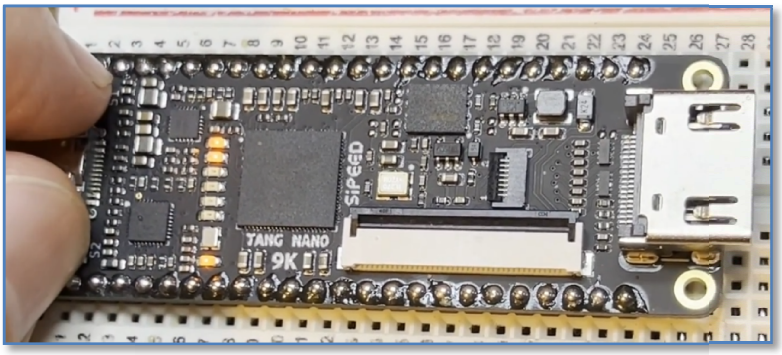





Gowin Programmer Version V1.9.11.03 Education (64-bit) (2536)
File
Edit
Tools
About
USB Cable Setting
Program/Configure
Enable
Series
Operation
1
GW1NR
GW1NR-9C
SRAM Program


Progress information
Programing
86%
Cancel

Tang Nano 9K


SiPEED
TANG NANO
9K