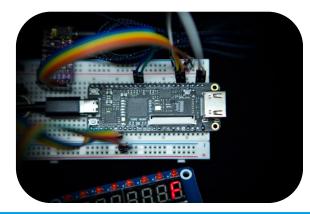


Tang Nano 9K Board Setup basics-graphics-music

Where to Download the Project and Instructions

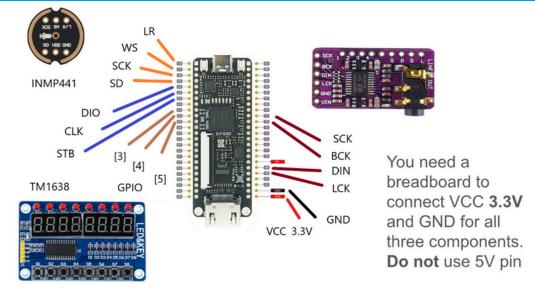
Download Github Project here: https://github.com/yuri-panchul/basics-graphics-music



What is Included in the Setup

- 1. Sipeed Tang Nano 9K FPGA board.
- 2. TM1638-based interface board with 8 LED, 8 keys and 8-digit seven-segment display.
- 3.4.3-inch 480x272 TFT LCD display with 40-pin interface.
- 4. INMP441 microphone.
- 5. PCM5102A audio decoding module.
- 6. Earbuds with a 3.5mm jack and no microphone.
- 7.830-point breadboard.
- 8. Jumper 10cm Male-Male: 6 for the microphone, 6 for the audio decoder, 4 for connecting 3.3V power and ground, and 4 for extra peripherals a total of 20.
- 9. Jumper 10cm Male-Female: 5 for TM1638-based interface board and 5 for extra peripherals a total of 10.
- 10. Some extra peripherals, such as an ultrasonic sensor and a rotary encoder.

How to Connect the Wires: The Full Setup



See how to latch LCD display Here: <u>https://www.youtube.com/watch?v=C9PwK9eGrCY</u>

Follow Detailed Instructions on Running Examples: https://verilog-meetup.com/2024/06/21/a-new-platform-for-fpgaseminars-based-on-gowin-tang-nano-9k-adding-sound-graphics-andmicroarchitecture-labs/



www.gowinsemi.com