User Manual

APM32S103VB MINI BOARD

Version: V1.0

1. Performance

- 32-bit Arm® Cortex®-M3

- Max frequency: 96MHz

- Flash: 128KB

- SRAM: 36KB

2. Interface and Resources

- USB: 1 (Type B)

- JTAG/SWD: 1

- LED: 2

- KEY: 2

- RESET KEY: 1

- GPIO: 76

- USART: 1 (Switch to USART1 or USART2 by jumper)

3. Start

1) Ensure a solid connection for jumper J6, J7, J8, J9 and J10.

2) Connect the USB in development board with PC by a Type B cable and power the development board.

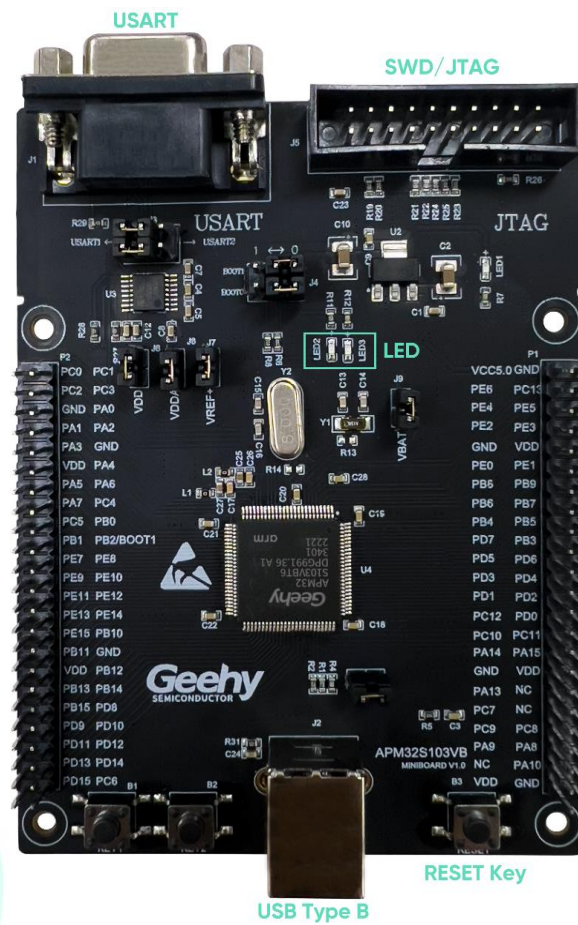3) Connect the emulator with JTAG/SWD interface for MCU programming and debugging.

4. System Requirements

- FreeRTOS

- RT-Thread

5.　Development Tool

- Keil MDK-Arm

- IAR Embedded Workbench

- Visual Studio Code

- Eclipse

6.　Appearance

7.　Schematic Diagram

Refer to《APM32S103VB MINIBOARD V1.0.PDF》