AT32 MCU LVGL Watch Demo

Introduction

This sample code is a watch demon based on LVGL V7.10.

Applicable products:

Product series	AT32F403Axx
	AT32F407xx

List of major peripherals used:
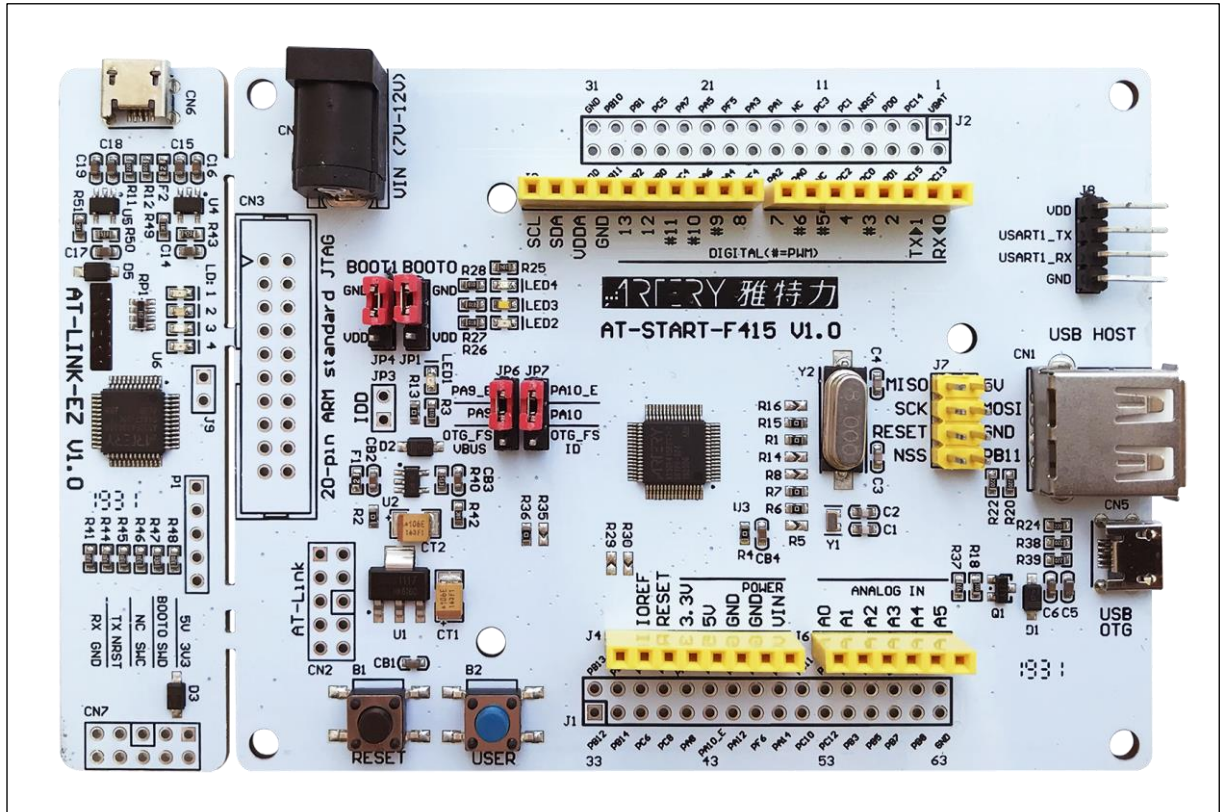
Peripherals	USART
	GPIO
	XMC
	DMA
	TMR

1   Quick start
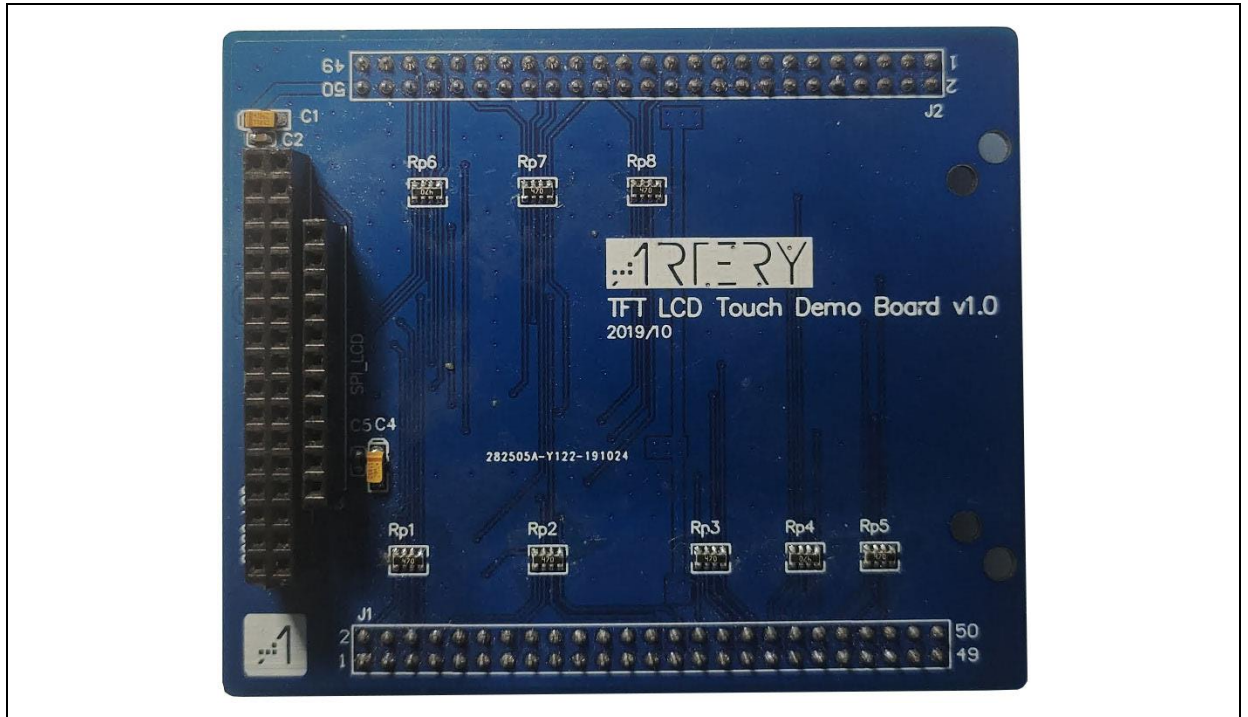
1.1   Hardware resources

1)   AT-START-F403A V1.0 evaluation board

Figure 1. AT-START-F403A V1.0 evaluation board

2)   AT32 official TFT LCD Touch DemoBoardv1.0

Figure 2. TFT LCD Touch DemoBoard

3) ALIENTEK 4.3' TFTLCD

Figure 3. ALIENTEK 4.3' TFTLCD

4) PA9 / PA10 is used as USART_TX / RX

1.2   Software resources

1) SourceCode

- at32_lvglv7_watch_v2.0.00 source code

Note: All of projects are built based on Keil 5. For the need to run in other compiling environments, user can make simple adjustments according to
AT32F403A_407_Firmware_Library_V2.x.x/project/at_start_f403A/templates.

1.3   Example case

1) Open *at32_lvglv7_watch_v2.0.0,* select a target and LCD display direction (horizontal or vertical), compile and download it to the evaluation board
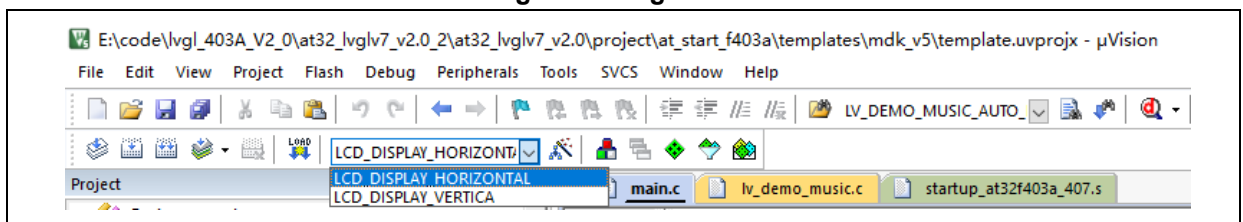
Figure 4. Target selection

Figure 5. Test result

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2022.01.06	2.0.0	Initial release

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