Evaluation Kit for VATN LCD + ICON Touch + Silk-Screen Printing

P/N: WWTK0003-00# date: 2024/1/8

- **Advantage 1: Four colors silk-screen printing**

  In this evaluation kit , Winstar make 3 colors screen are printed on the rear of LCD and 1 color is printed on the front of LCD for total of 4 colors.

- **Advantage 2: ICON Touch**

  Use the LCD ITO graphics with the controller on the PCB to achieve the effect of “In Cell touch .

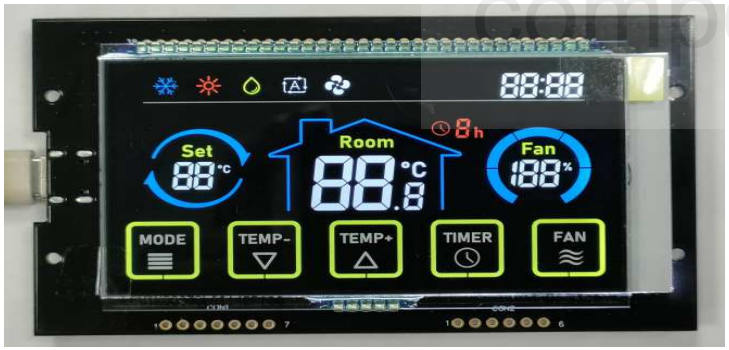
- **Advantage 3: Built-in MCU**

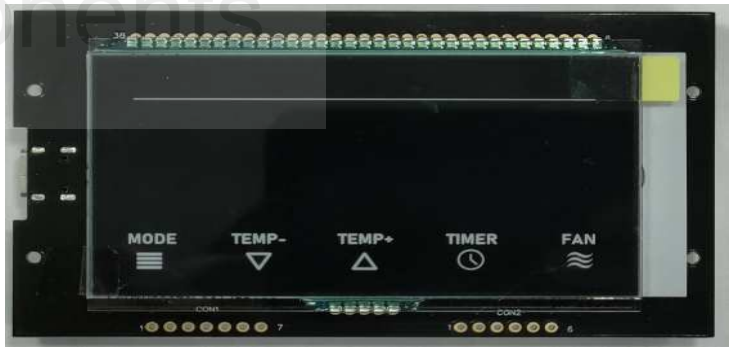
  Can be executed without additional evaluation board

- **Advantage 4: Single Power Supply**

  Only one USB Type-C is needed to power up the module and backlight.

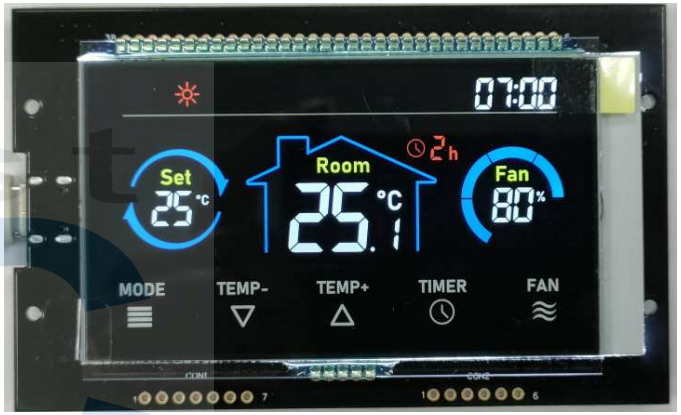






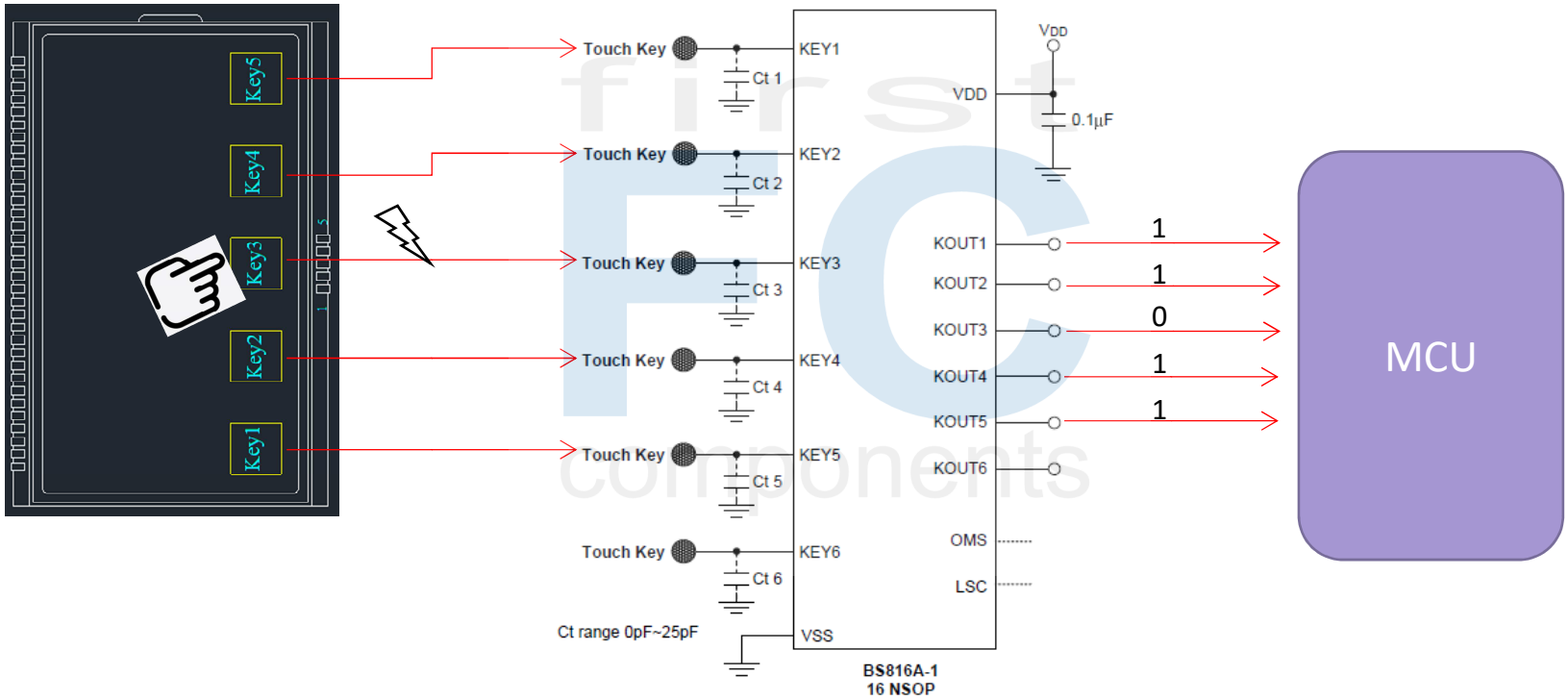
General Specification

	WWTK0003-00#
Module dimension	98.4 x 60.0 x (13.4) mm
View area	72.4 x 40.4 mm
Active area	69.0 x 37.4 mm
LCD Type	VATN
Duty / Bias	1/4DUTY,1/3BIAS
Polarizer Mode	Transmissive/Negative
Operating Voltage	VDD=5.0V, VOP=4.5V
View direction	6 o'clock
Backlight Type	LED, White
LCD Controller IC	RW1026
Touch ADC IC	BS816A-1
MCU	HT66F3185
Operating Temperature	-20°C ~70°C
Storage Temperature	-30°C ~80°C
Power Supply	Type-C USB cable

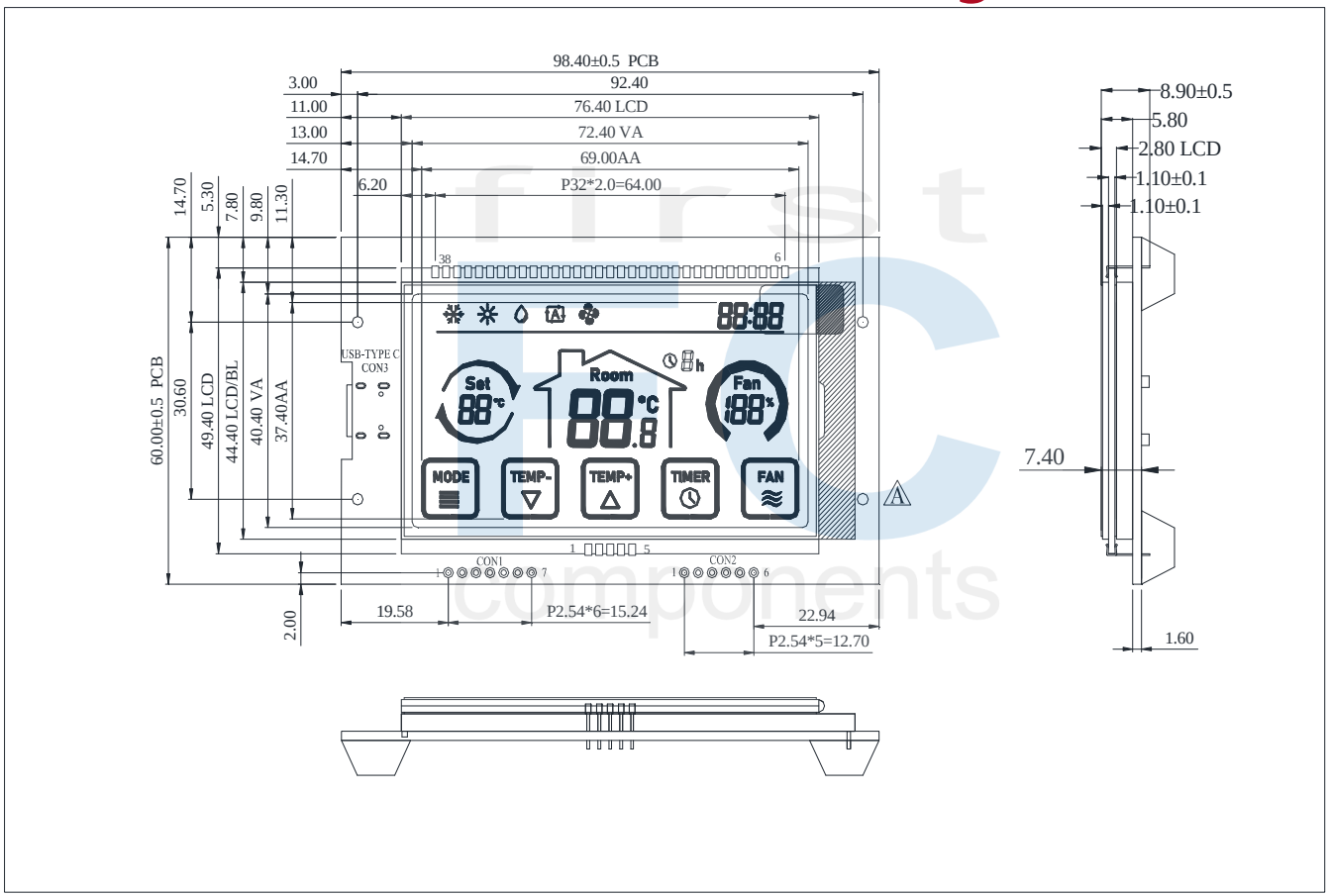




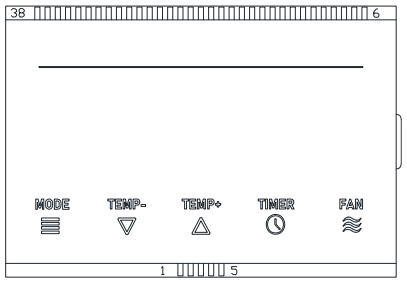
ICON Touch Diagram



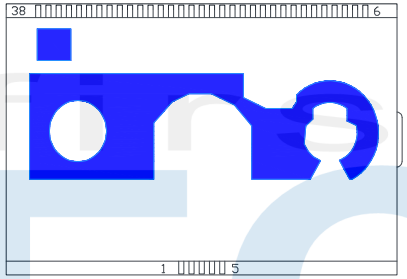
Contour Drawing



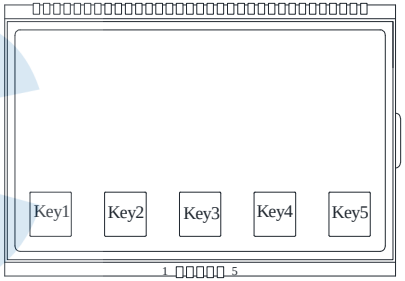
Contour Drawing



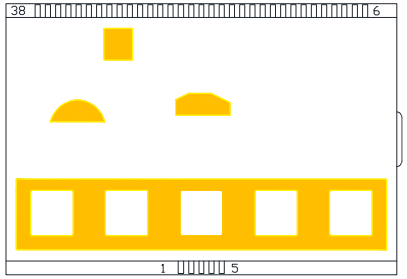
白色絲印



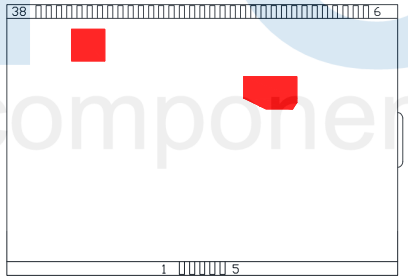
藍色絲印
PANTONE Process Cyan C



ICON Touch



黃色絲印
PANTONE Yellow C



紅色絲印
PANTONE Red 032 C

Reference Technology Information

https://first-components.com/en/icon-touch-building-a-new-touch-and-high-value-stn-display

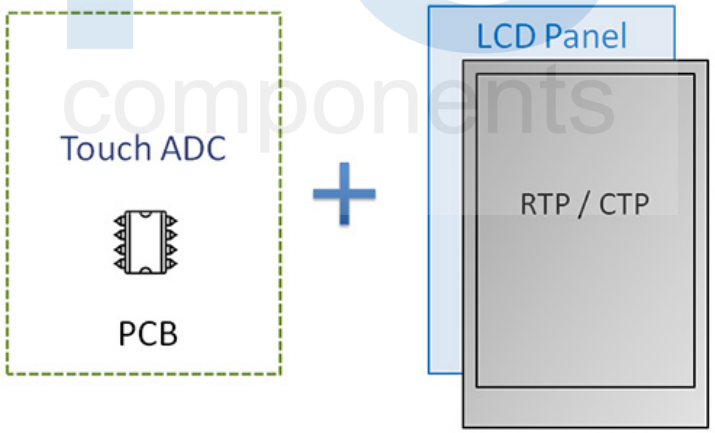
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ICON Touch: Building a New touch and High-value STN display. New design concept...

Monday, August 8, 2022

Nowadays, the STN-LCD display products equipped with touch functions are the most commonly adopted 3-in-1 structure as a combination of driving module circuit board(PCB), STN-LCD display, and resistive touch panel (RTP) or the capacitive touch panel (CTP). As Image 1 shows, few may use the integrated structure of driving module circuit board (PCB), STN-LCD display, and membrane switch, as shown in Image 2.



[Image 1]

