



# Winstar Display Co., LTD

## 華凌光電股份有限公司



WEB: <https://www.winstar.com.tw> E-mail: sales@winstar.com.tw

### SPECIFICATION

**CUSTOMER :** \_\_\_\_\_

**MODULE NO.:** WWSTLINKV3MODS-00#

<p><b>APPROVED BY:</b></p> <p>( FOR CUSTOMER USE ONLY )</p>	<p><b>PCB VERSION:</b> _____</p> <p><b>DATA:</b> _____</p>
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SALES BY	APPROVED BY	CHECKED BY	PREPARED BY
			Hedy Lai
<b>ISSUED DATE: 2024/05/14</b>			

TFT Display Inspection Specification: <https://www.winstar.com.tw/technology/download.html>

Precaution in use of TFT module: <https://www.winstar.com.tw/technology/download/declaration.html>



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MODLE NO :  
WWSTLINKV3MODS-00#

RECORDS OF REVISION			DOC. FIRST ISSUE
VERSION	DATE	REVISED PAGE NO.	SUMMARY
0	2024/05/14		First issue

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# 1.Module Classification Information

W	W	STLINKV3MODS	-	00	#
①		②		③	④

①	Brand : WINSTAR DISPLAY CORPORATION	
②	Controller: STLINK-V3MODS	
③	Version: 00	
④	Special Code	#:Fit in with ROHS directive regulations

## **2.Summary**

The WWSTLINKV3MODS-00# is an accessory for Winstar Smart Display CAN series Demo Set. It allows users to experience the exclusively developed GUI Builder. By operating the GUI Builder software on your computer, you can design a user interface (UI) without writing any programs. Then, you can use the dongle to transfer the UI to the Smart Display for display, reducing development costs and speeding up time-to-market expectations. This module is suitable for fast and easy integration of a human-machine interface (HMI) into various applications, including passenger vehicles, industrial automation, mechanical control, elevators, escalators, and electronic equipment for aviation and navigation. The module is also compliant with RoHS regulations

1. Self-powered via a USB Micro-B connector
2. Bridge USB to CAN using 2-wire locking connector
3. Demonstration video link: <https://www.winstar.com.tw/video/play/142.html>

### **3. General Specifications**

<b>Item</b>	<b>Dimension</b>	<b>Unit</b>
Module dimension	30.0 × 60.0 × 13.0 (Max)	mm
Interface	Micro-B USB	

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# 4. Electrical Characteristics

## 4.1 Supply Conditions

Parameter	Symbol	Values			Unit	Remark
		Min.	Typ.	Max.		
Supply Voltage	VDD	4.5	5	5.25	V	USB Power
Supply Current	IDD	—	0.11	—	mA	Note

Note : This typical value is at  $T_A = 25^\circ\text{C}$  and  $V_{DD} = 5\text{V}$ .

## 4.2 CAN Transmit Data Input Conditions

Parameter	Symbol	Values			Unit	Remark
		Min.	Typ.	Max.		
Low level input voltage	$V_{IL}$	-0.3	—	0.8	V	
High level input voltage	$V_{IH}$	2	—	5	V	

# 5.Interface

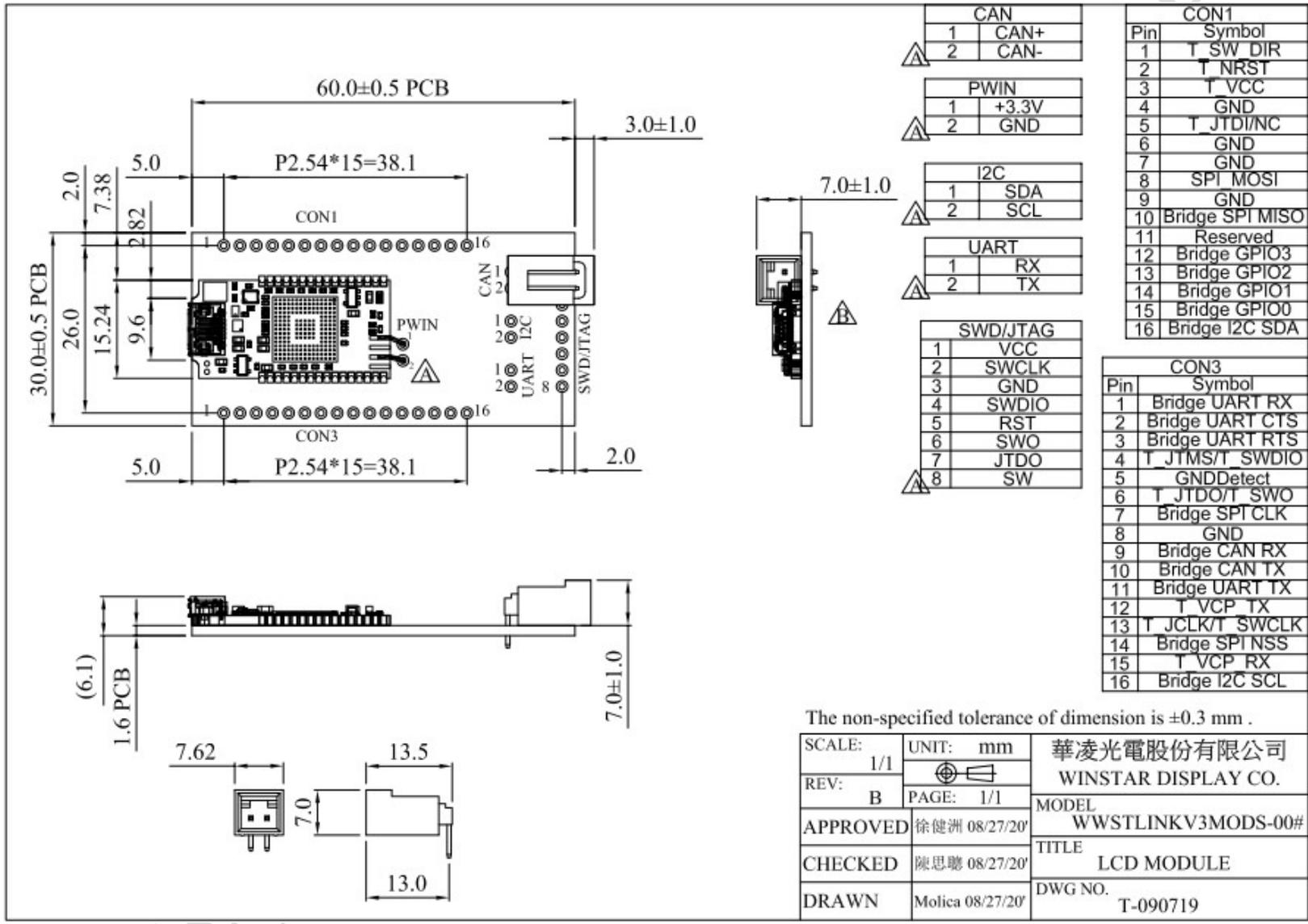
CAN			
Pin	Symbol	I/O	Function
1	CAN_High	I/O	CAN bus D+
2	CAN_Low	I/O	CAN bus D-

Note : This is a locking connector that can be pulled out smoothly by simply pressing it.



Pin 1  
Pin 2

# 6. Contour Drawing



The non-specified tolerance of dimension is  $\pm 0.3$  mm .

SCALE: 1/1	UNIT: mm	華凌光電股份有限公司 WINSTAR DISPLAY CO.
REV: B	PAGE: 1/1	
APPROVED 徐健洲 08/27/20'		MODEL WWSTLINKV3MODS-00#
CHECKED 陳思聰 08/27/20'		TITLE LCD MODULE
DRAWN Molica 08/27/20'		DWG NO. T-090719