



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



SPECIFICATION

MODEL NO. : WLOF00024000MNFAANA00

Summary

WLOF00024000MNFAANA00 Feature

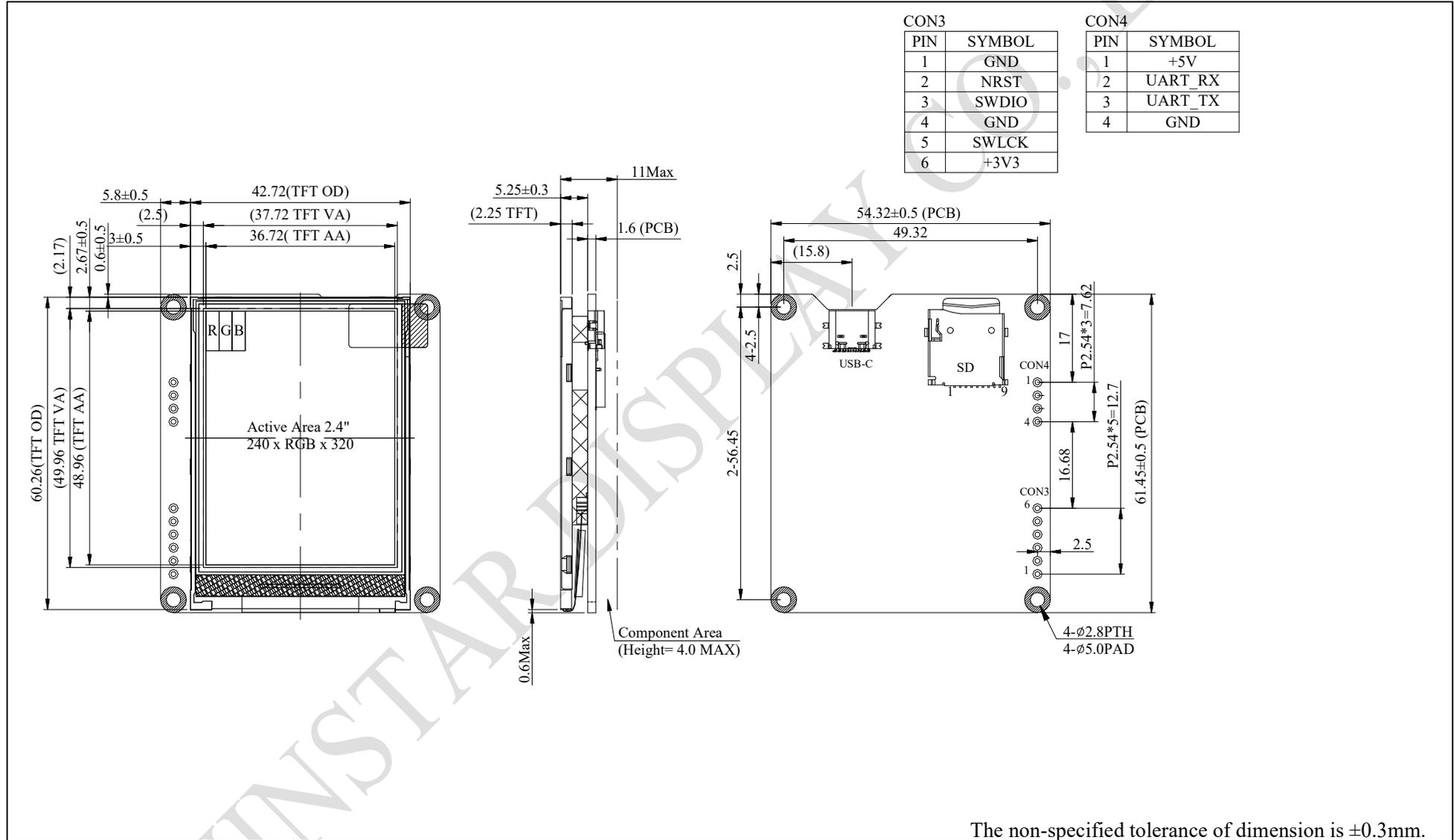
1. 5V working voltage with USB Type-C interface.
2. It works within temperature range from -20 to +70°C and storage temperature ranges from -30 to +80°C.
3. Without touch.
4. 1 UART interface.
5. With SD card slot.

Product information

General information

Item	Standard Value	Unit
Operating voltage	5	Vdc
Communication Interface	UART	--
MCU	STM32G0B1RET6	N/A
LCD display size	2.4	inch
Dot Matrix	240 × R.G.B. × 320 (TFT)	dot
Module dimension	54.32(W) × 61.45(H) × 11.0(D)	mm
Active area	36.72 × 48.96	mm
Pixel pitch	0.153(W) × 0.153(H)	mm
Brightness	Min: 400; Typ: 500	cd/m ²
LCD type	TFT, Normally White, TN, Transmissive	
View Direction	6 o'clock	
Aspect Ratio	Portrait	
Touch Panel	Without Touch Panel	
Surface	Glare	

Contour Drawing



The non-specified tolerance of dimension is ±0.3mm.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

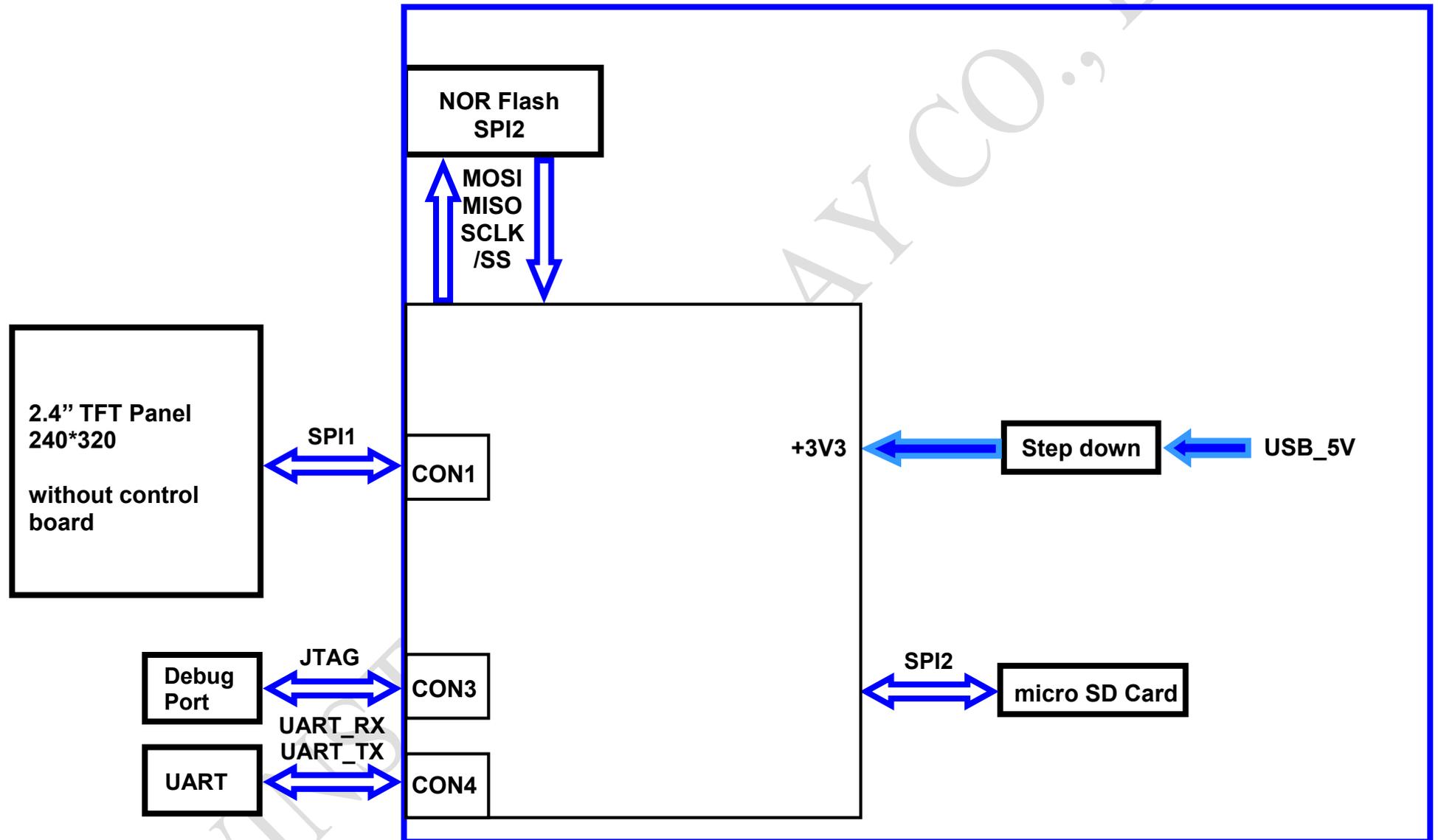
Electrical Characteristics

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage	VCC	4.75	5	5.25	V
Supply Current	ICC		40		mA

BOM

Item	Description
LCM	WF24MTLAJDNN0#
PCBA	SV10002R400MA00N0100

Block diagram



Interface

CON3 definition:

Pin	Symbol	Function	Remark
1	GND	GND	Output
2	NRST	Reset pin for JTAG interface	Input
3	SWDIO	Data pin for JTAG interface	I/O
4	GND	GND for JTAG interface	Output
5	SWCLK	CLK pin for JTAG interface	Input
6	+3V3	3.3V power for JTAG interface	Output

CON4 definition:

Pin	Symbol	Function	Remark
1	+5V	Power supply 5V input	Input
2	UART_RX	USART RX interface	I/O
3	UART_TX	USART TX interface	I/O
4	GND	GND	Output