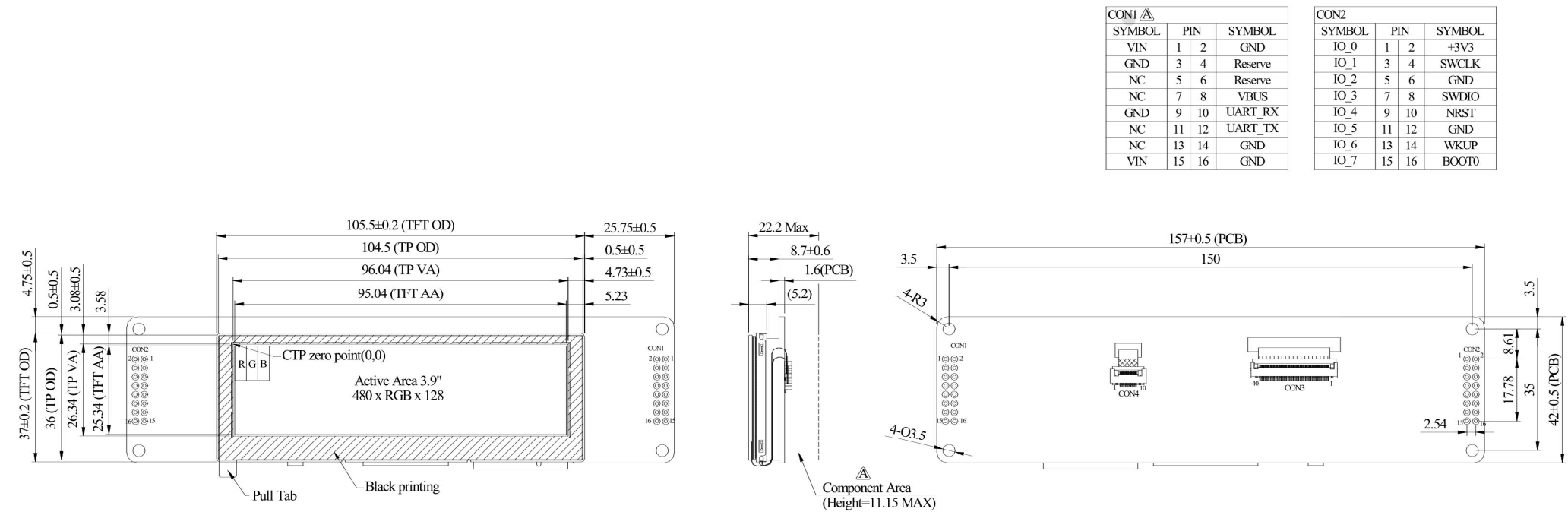


Product information

General information

Item	Standard Value	Unit
Operating voltage	5V~ 48V dynamic	Vdc
Communication Interface	UART	-
MCU	STM32F750	N/A
Flash Memory	16	MB
LCD display size	3.9	inch
Dot Matrix	480x128 x RGB (TFT)	dot
Module dimension	157.0(W) x 42.0(H) x 16	mm
Active area	95.04 x 25.34	mm
Pixel pitch	0.198 x 0.198	mm
Brightness	Min: 700; Typ: 800	cd/m ²
LCD type	TFT, Normally Black, Transmissive	
Viewing Angle	85/85/85/85	
Aspect Ratio	Bar Type	
Touch Panel	Projected Capacitive Touch Panel	
Surface	Glare	

Contour Drawing



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

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-30	—	+80	°C
Storage Temperature	TST	-40	—	+90	°C

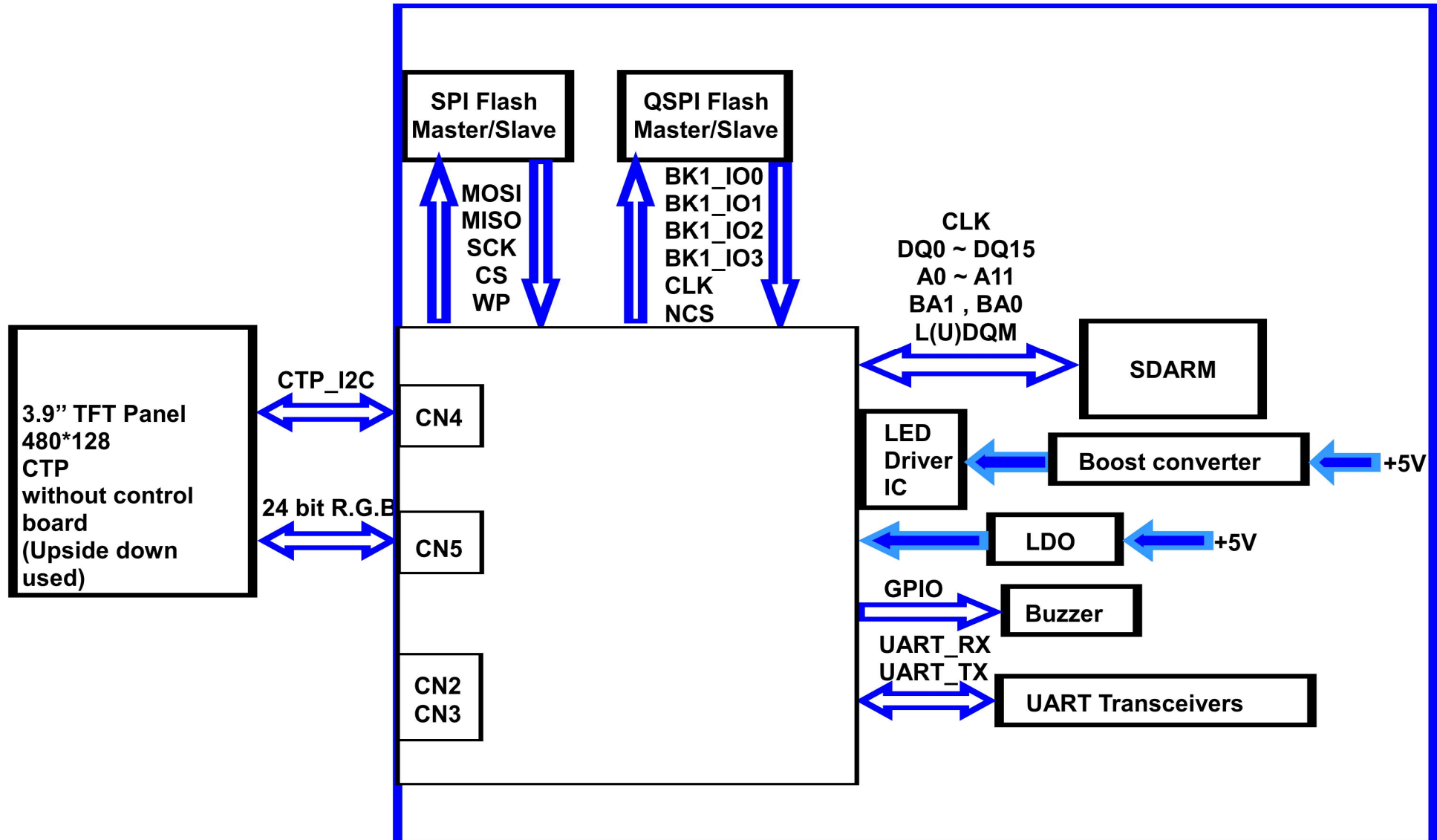
Electrical Characteristics

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage For Analog	VCC	5	5	48	V
Interface Operation Voltage	ICC	420	460	50	mA

BOM

Item	Description
LCM	WF39FSWASDNG0#
PCBA	SV10003R900FA00N0102

Block diagram



Interface

CN1 definition:

Pin	Symbol	Function	Remark
1	VIN	Power +5V~48V	Input
2	GND	Power supply GND input	GND
3	GND	Power supply GND input	GND
4	Reserve	Differential signal D-	I/O
5	Reserve	-	-
6	Reserve	Differential signal D+	I/O
7	Reserve	-	-
8	VBUS	5V output for UART interface	Output
9	GND	Power supply GND input	GND
10	UART_RX	UART RX interface	I/O
11	Reserve	Power supply GND input	GND
12	UART_TX	UART TX interface	I/O
13	Reserve	-	-
14	GND	UART5_TX	I/O
15	VIN	-	-
16	Reserve	UART5_RX	I/O

I/O allow below 3.3V input. If exceeding 3.3V may cause MCU damage.

CN2 definition:

Pin	Symbol	Function	Remark
1	IO_0	UART6_TX	I/O
2	+3V3	Power supply 3V3 input	Input
3	IO_1	UART6_RX	I/O
4	SWCLK	CLK pin for JTAG interface	Input
5	IO_2	-	-
6	GND	Power supply GND input	GND
7	IO_3	-	-
8	SWDIO	Data pin for JTAG interface	I/O
9	IO_4	-	-
10	NRST	Reset pin for JTAG interface	Input
11	IO_5	-	-
12	GND	Wire trace Output for JTAG interface	I/O
13	IO_6	Power supply GND input	GND
14	WKUP	Power supply GND input	GND
15	IO_7	Power supply 5V output	Output
16	BOOT0	Buzz	Output

I/O allow below 3.3V input. If exceeding 3.3V may cause MCU damage.