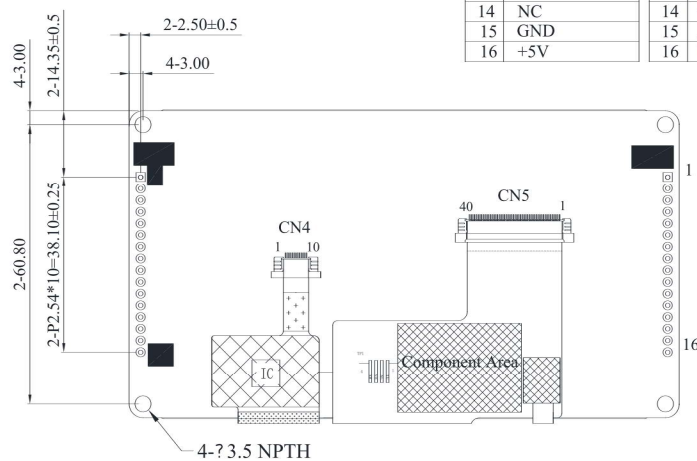
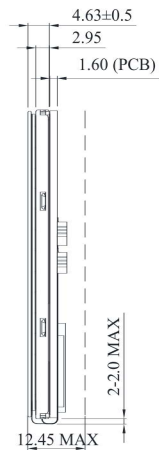
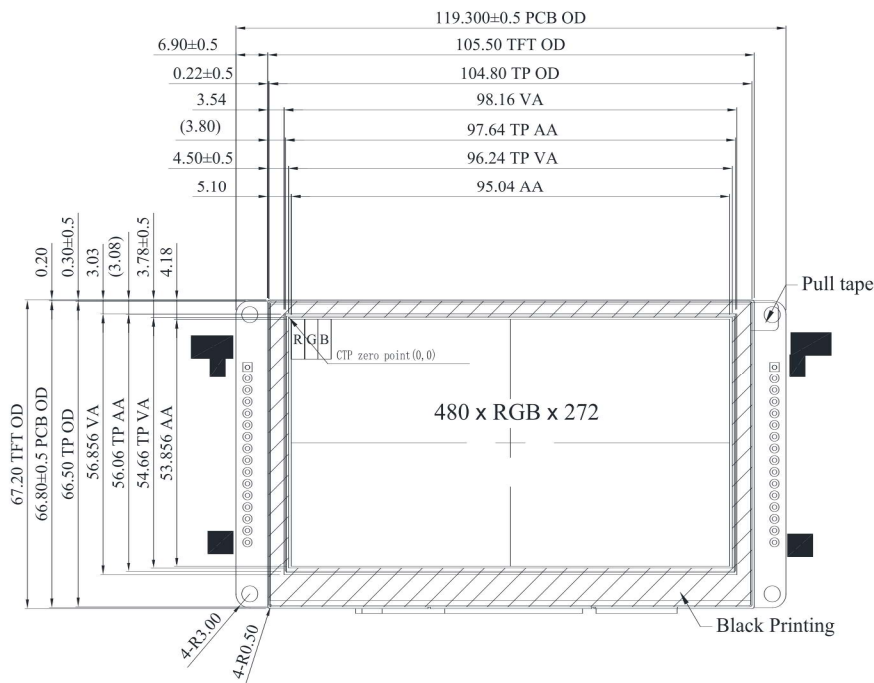


Product information

General information

Item	Standard Value	Unit
Operating voltage	5-24	Vdc
Communication Interface	RS485 differential	-
MCU	STM32F750	N/A
Flash Memory	16	MB
SDRAM Frequency	108	Mhz
LCD display size	4.3	inch
Dot Matrix	480 × RGB × 272(TFT)	dots
Module dimension	119.3(W) × 67.2(H) × 12.45(D)	mm
Active area	95.04(W) × 53.856(H)	mm
Pixel pitch	0.198(H) × 0.198(V)	mm
Brightness	Min: 300; Typ: 400	cd/m ²
LCD type	TFT, Normally Black, Transmissive	
View Direction	80/80/80/80	
Aspect Ratio	16:9	
Touch Panel	Projected Capacitive Touch Panel (PCAP)	
Surface	Glare	

Contour Drawing



CN1		CN2	
PIN	SYMBOL	PIN	SYMBOL
1	GND	1	NC
2	RS485+	2	NC
3	RS485-	3	NC
4	VDD_5V	4	NC
5	GND	5	NC
6	NC	6	NC
7	NC	7	NC
8	VDD_5V	8	NC
9	NC	9	NC
10	NC	10	GND
11	GND	11	JTAG SWDO
12	GND	12	NRST
13	NC	13	JTAG SWDI
14	NC	14	GND
15	GND	15	JTAG SWCLK
16	+5V	16	VDD3V

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

Absolute Maximum Ratings

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

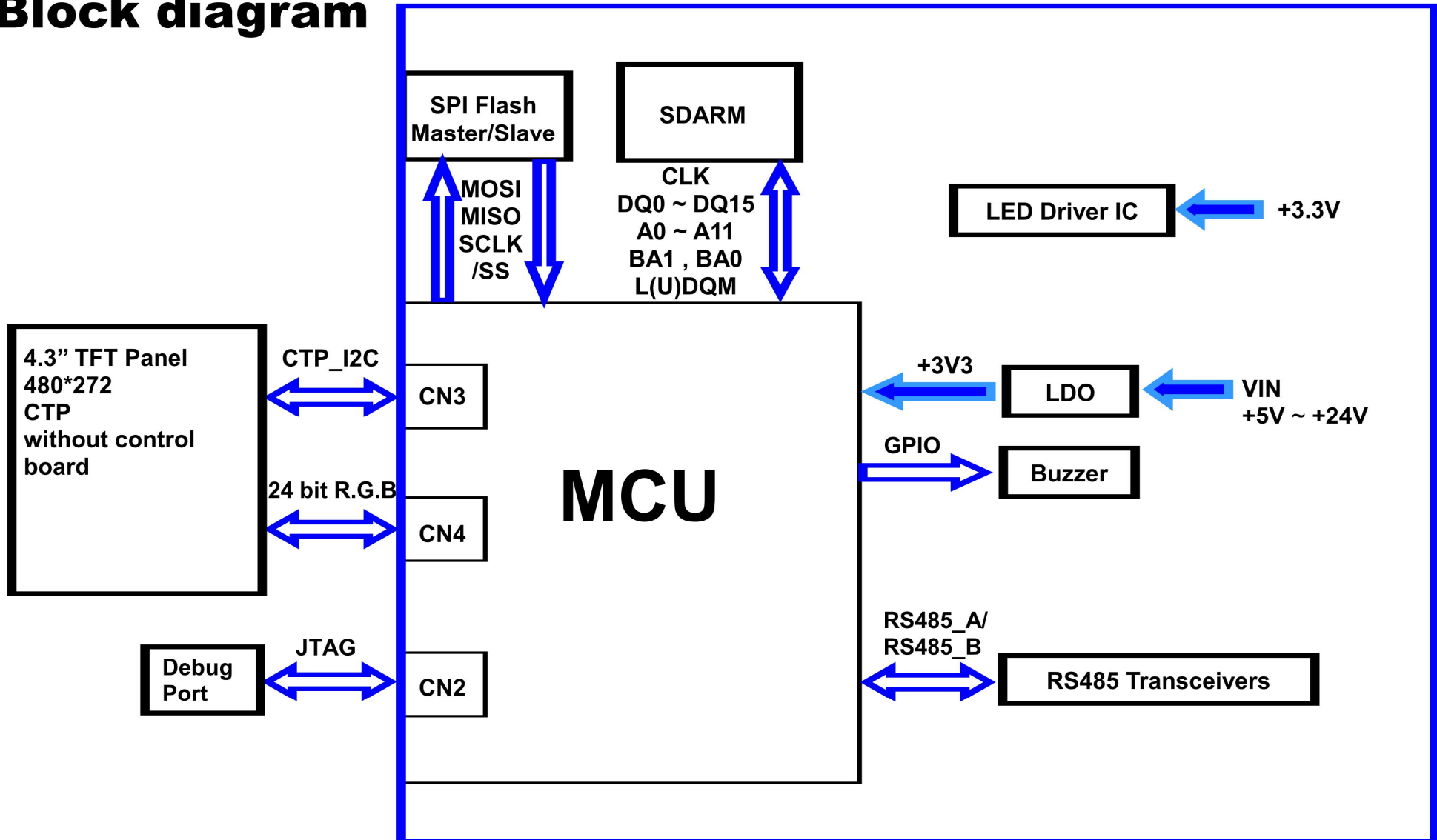
Electrical Characteristics

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage	VCC	5	12	24	V
Supply Current	ICC	-	170		mA

BOM

Item	Description
LCM	WF43WTWAEDNGA#
PCBA	SV10004R300WA00N0104

Block diagram



Interface

CN1 definition:

Pin	Symbol	Function	Remark
1	GND	GND	Output
2	RS485+	RS485 D+	I/O
3	RS485-	RS485 D-	I/O
4	+5V	VIN	Input
5	GND	GND	Output
6-7	NC	--	--
8	+5V	VIN	Input
9-10	NC	--	--
11-12	GND	GND	Output
13-14	NC	--	--
15	GND	Power GND	Input
16	+5V	Power +5V ~ +24V	Input

CN2 definition:

Pin	Symbol	Function	Remark
1-9	NC	--	--
10	GND	GND	Output
11	JTAG_SWDO	Data pin for JTAG interface	I/O
12	NRST	Reset pin for JTAG interface	Input
13	JTAG_SWDI	Data pin for JTAG interface	I/O
14	GND	GND for JTAG interface	Output
15	JTAG_SWCLK	CLK pin for JTAG interface	Input
16	VDD3V	3.3V power for JTAG interface	Output