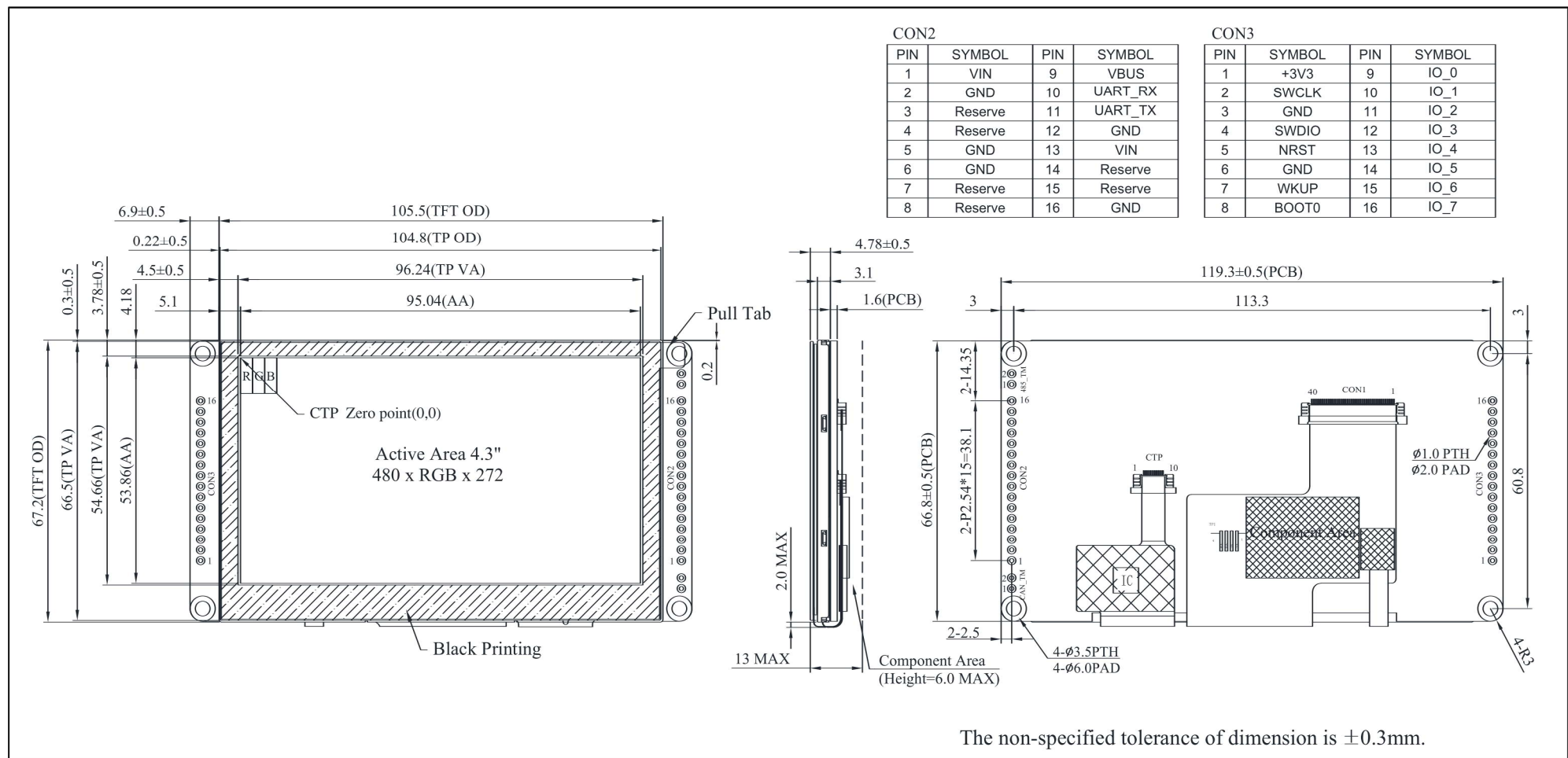


Product information

General information

Item	Standard Value	Unit
Operating voltage	5-28	Vdc
Communication Interface	UART	--
MCU	STM32F750	N/A
Flash Memory	16	MB
LCD display size	4.3	inch
Dot Matrix	480 × 3(RGB) × 272	dot
Module dimension	119.3(W) × 67.2(H) × 13 (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	Capacitive Touch Panel	
Surface	Glare	

Contour Drawing



Absolute Maximum Ratings

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

Electrical Characteristics

Item	Symbol	Min	Typ	Max	Unit
Supply Voltage	VCC	5	12	28	V
Supply Current	ICC		180		mA
I/O pin Voltage	--	--	--	3.3	V

BOM

Item	Description
LCM	WF43WTWAEDNGA#
PCBA	SV10004R300WB00N0101

Interface

CON2 definition:

Pin	Symbol	Function	Remark
16	GND	Power GND	Input
15	Reserved	--	--
14	Reserved	--	--
13	VIN	Power +5V~+28V	Input
12	GND	Power GND	Input
11	UART1_TX		output
10	UART1_RX		Input
9	VBUS	Power	Input
8	Reserved	--	--
7	Reserved	--	--
6	GND	Power GND	Input
5	GND	Power GND	Input
4	Reserved	--	--
3	Reserved	--	--
2	GND	Power GND	Input
1	VIN	Power +5V~+28V	Input

CON3 definition:

Pin	Symbol	Function	Remark
16	IO_7	GPIO (PC5)	I/O
15	IO_6	GPIO (PC4)	I/O
14	IO_5	GPIO (PC1)	I/O
13	IO_4	GPIO (PF9)	I/O
12	IO_3	GPIO (PB5)	I/O
11	IO_2	GPIO (PB4)	I/O
10	IO_1	GPIO (PD5)	I/O
9	IO_0	GPIO (PD4)	I/O
8	BOOT0	--	Input
7	WKUP	Wake UP (PA0)	Input

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