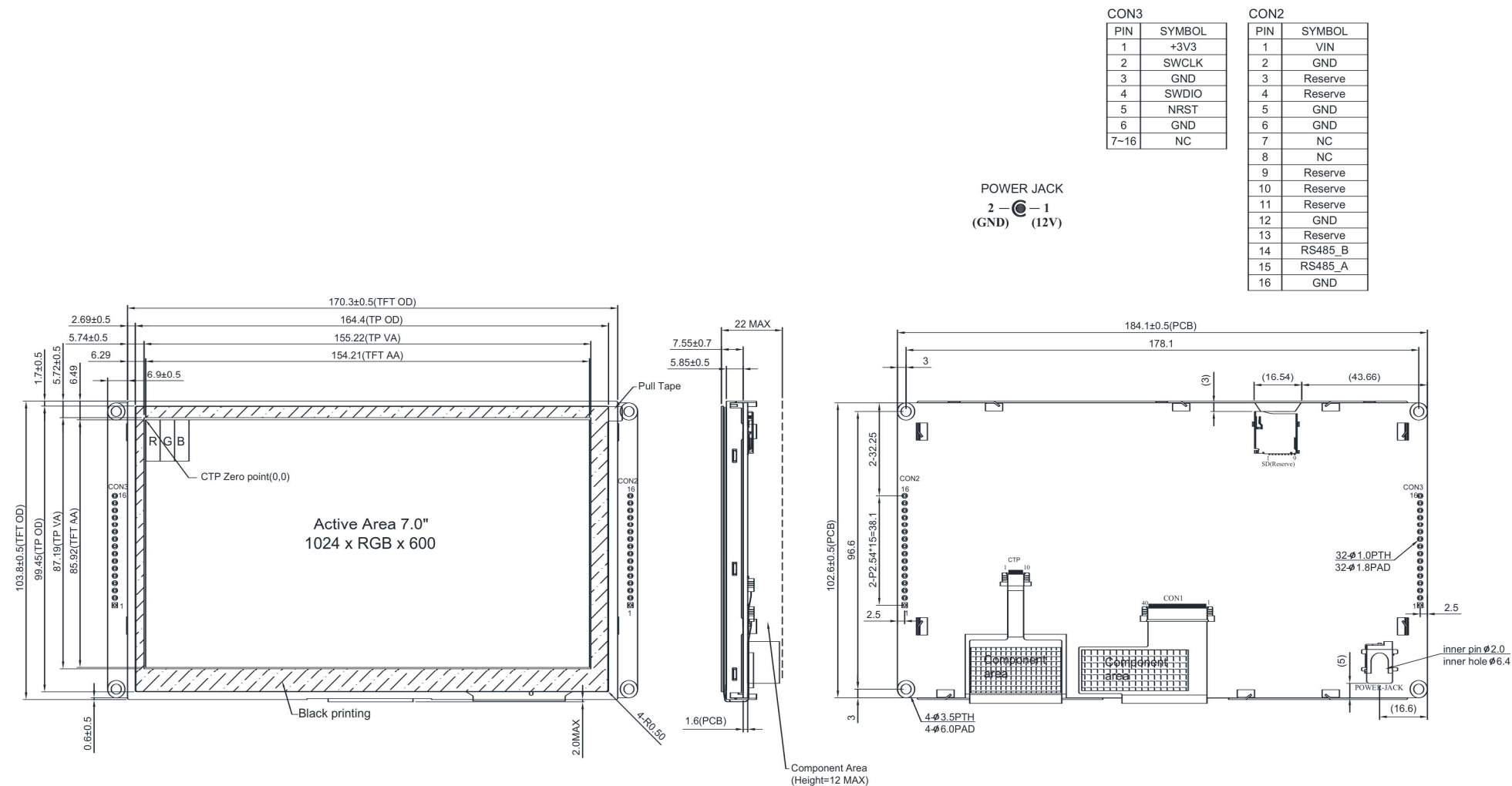


Product information

General information

Item	Standard Value	Unit
Operating voltage	5~16V	Vdc
Communication Interface	RS485 differential	-
MCU	STM32F746	N/A
Flash Memory	16	MB
SDRAM Frequency	108	MHz
LCD display size	7.0	inch
Dot Matrix	1024 x RGB x 600(TFT)	dots
Module dimension	184.1(W) x 103.8(H) x 22(D)	mm
Active area	154.2144 x 85.92	mm
Pixel pitch	0.1506 x 0.1432	mm
Brightness	Min:400; Typ:450	cd/m ²
LCD type	TFT, Normally Black, Transmissive	
View Direction	85/85/85/85	
Aspect Ratio	16:9	
Touch Panel	Capacitive 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	Condition	Min	Typ	Max	Unit
Supply Voltage	VIN	—	5	12	16	V
Supply current	I(mA)	—	—	490	—	mA

BOM

Item	Description
LCM	WF70A8TYAHLNGB#
PCBA	SV10007R00AAA00N0104

Interface

CON2 definition:

Pin	Symbol	Function	Remark
1	VIN	Power supply V+	Input
2	GND	Power supply GND input	Input
3	Reserve	—	—
4	Reserve	—	—
5	GND	Power supply GND input	Input
6	GND	Power supply GND input	Input
7	NC	—	—
8	NC	—	—
9	Reserve	—	—
10	Reserve	—	—
11	Reserve	—	—
12	GND	GND	GND
13	Reserve	—	—
14	RS485_B	RS485 DATA-	I/O
15	RS485_A	RS485 DATA+	I/O
16	GND	GND	GND

CON3 definition:

Pin	Symbol	Function	Remark
1	+3V3	3.3V power for JTAG interface	Output
2	SWCLK	CLK pin for JTAG interface	Input
3	GND	GND for JTAG interface	Output
4	SWDIO	Data pin for JTAG interface	I/O
5	NRST	Reset pin for JTAG interface	Input
6	GND	GND	Output
7~16	NC	—	—