



上海冠显光电科技有限公司  
Shanghai Top Display Optoelectronics Co., LTD

MODEL NO. : TY043WQC01

ISSUED DATE: 2018-12-05

VERSION : 1.0

Preliminary Specification

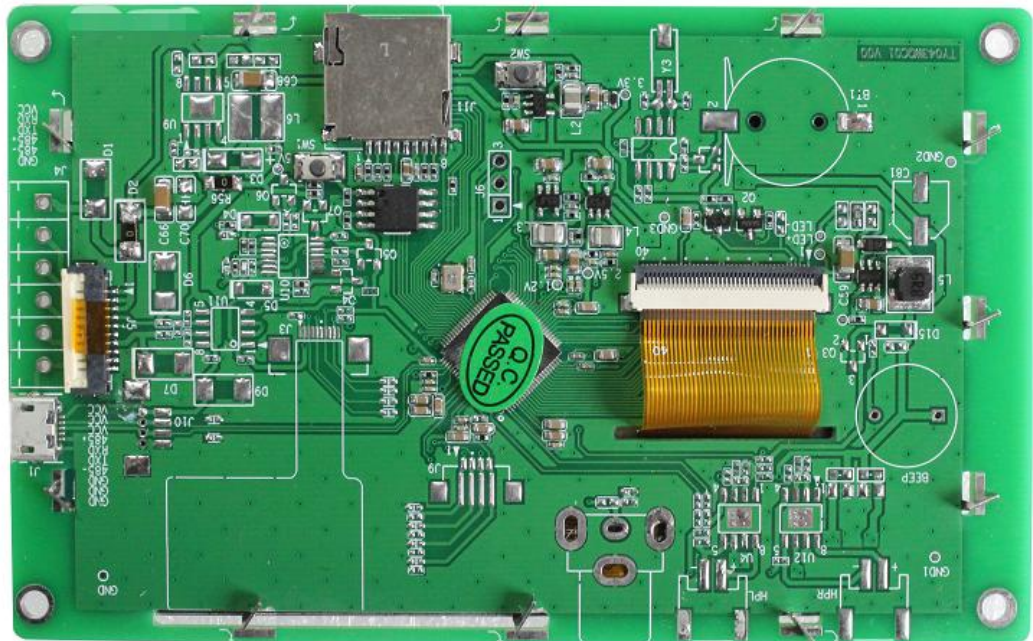
Final Product Specification

Customer : \_\_\_\_\_

Approved by	Notes

Top Display:

Prepared by	Checked by	Approved by





I Revision History

Issued Date	Description
2018-12-05	First release



## I General specifications

Items	parameters	Description
Display mode	TFT LCD	TN
Backlight Type	LED	
Dimension	BEZEL: 106.5(L)*68.55(W) Driverboard:121.9(L)*74.7(W)	mm
Color	262K	RGB18bit
Brightness	280 cd/m <sup>2</sup>	
Active Area	53.86mm×95.04mm	4.3inch
Touch panel type	No	
Resolution	480RGB×272	
Other hardware	None	
Special features	Multi-media play, boot video support	Up to 1080p with most video formats

## I Environment and Electrical Characteristics

Items	parameters
Input voltage range	5VDC
Power consumption	5V/100mA (Maximum brightness)
Working temperature	-20℃~+60℃
Storage temperature	-30℃~+70℃
Working humidity	10%~90%RH
Three anti-treatment	NO

## I Communication interface parameter

Items	parameters	
Communication interface type	UART with 3.3V TTL level, follow TGUS <sup>®</sup> protocol	
Serial baud rate	Minimum value	2400
	Typical value	9600
	Maximum value	115200
Data format	1 start bit -8 data bits - no parity bit -1 stop bit (8N1)	
Micro USB	FAT32 is used to store pictures, fonts (support vector font ), configuration files and so on	
User connection interface	1.0mm Pitch-10PIN FFC connector	

**I Memory parameters**

Parameters	Description
SPI FLASH	16MB on board ,10MB of which is reserved for user to storing picture, icon, font ,video, audio ...
Micro SD Card slot	Reserved for storing large video/audio file, SD card is optional

**I Pin description**

Pin Assignment	Pin Name	Type	Description
1,2,3	VCC	P	5Vdc
4,7	NC		NC
5	RXD	Input	UART Receive ,Connect to TXD of USER MCU
6	TXD	Output	UART Transmit, Connect to RXD of USER MCU
8,9,10	GND	P	GND

J5: 1.0mm pitch-10Pin FFC connector (bottom contact)



I Drawing

