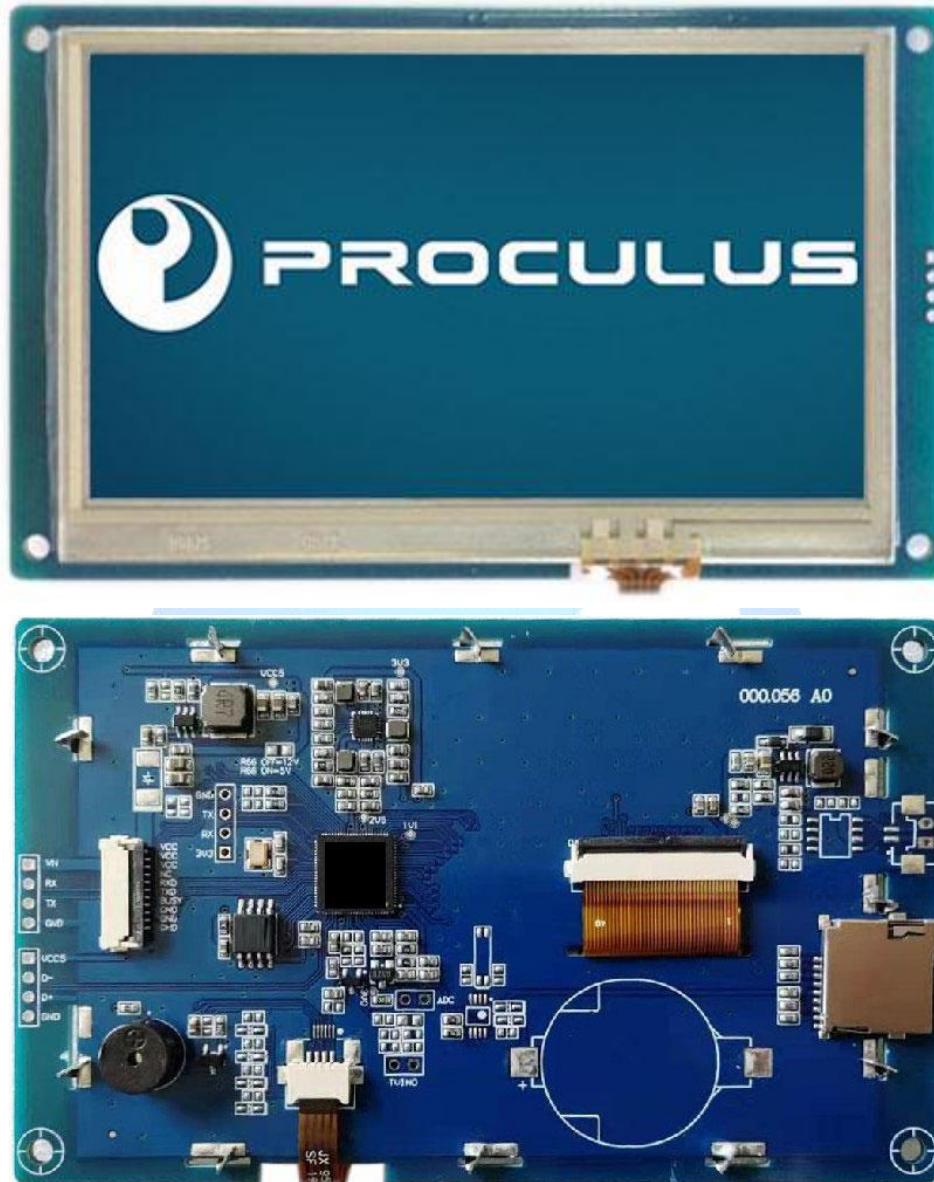


## P48272J43L\_X01

(X can be defined as N/T/P; N=No Touch/T=Resistive Touch/P=Pcap Touch)

### 4.3 Inches, 480xRGBx272, 65K Colors



#### Modification Record

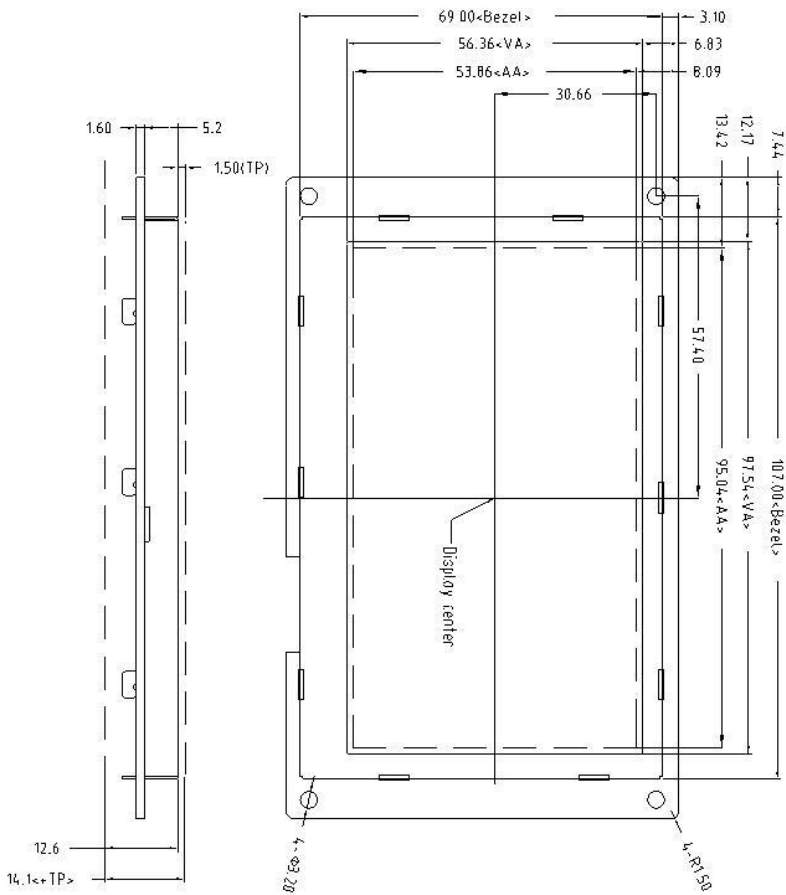
| Date       | Content       |
|------------|---------------|
| 2019/12/05 | First release |
|            |               |
|            |               |

## Features

- Support RS232/TTL/CMOS, the max baud rate is 921600bps;
- Support hardware JPG decoding which makes storage more efficient and display quicker;
- Support offline batch download through USB Flash Drive, which improves download efficiency and reduce requirements for operators;
- Support backlight brightness adjustment and automatic standby screen saver function;
- Support multi-language font library, picture, TWO-DIMENSIONAL code display;
- Support number and English input, customizable keyboard interface;
- Support 90 degrees, 180 degrees, 270 degrees screen rotation, adjustable visual angle;
- Easy-to-use UnicView GUIs Development, no coding skills required;
- Instant operation when power on without system load time;
- Excellent electromagnetic compatibility characteristics.

| Display                            |                                                             |      |      |      |      |
|------------------------------------|-------------------------------------------------------------|------|------|------|------|
| Color                              | 65K (65536) colors, 16 bit color 5R6G5B                     |      |      |      |      |
| ACTIVE AREA / View Area            | 95.0mm(width)×53.9mm(height)/97.5 mm(width)×56.4 mm(height) |      |      |      |      |
| Resolution                         | 480*272, 90° rotated display (272*480)                      |      |      |      |      |
| Backlight /Lifecycle/Brightness    | LED/20,000 HOURS/ 250 cd/m²/ (64 level adjustment)          |      |      |      |      |
| Working Temperature                | -20~+70°C/-30~+85°C                                         |      |      |      |      |
| Voltage & Current                  |                                                             |      |      |      |      |
| Item                               | Condition                                                   | Min. | Typ. | Max. | Unit |
| Power Voltage                      |                                                             | 4.8  | 5    | 15   | V    |
| Operation Current                  | VIN = 5V, Backlight on                                      | -    | 450  | -    | mA   |
|                                    | VIN = 5V, Backlight off                                     | -    | 260  | -    | mA   |
| Recommended Power Supply: 5V 1A DC |                                                             |      |      |      |      |
| Reliability Test                   |                                                             |      |      |      |      |
| Item                               | Condition                                                   | Min. | Typ. | Max. | Unit |
| Working Temperature                | 60%RH at 5V voltage                                         | -20  | 25   | 70   | °C   |
| Storage Temperature                | -                                                           | -30  | 25   | 85   | °C   |
| Working Humidity                   | 25°C                                                        | 10%  | 60%  | 90%  | RH   |
| Protective Paint                   | -                                                           | -    | None | -    | -    |
| Aging Test                         | -                                                           | -    | 8    | -    | H    |

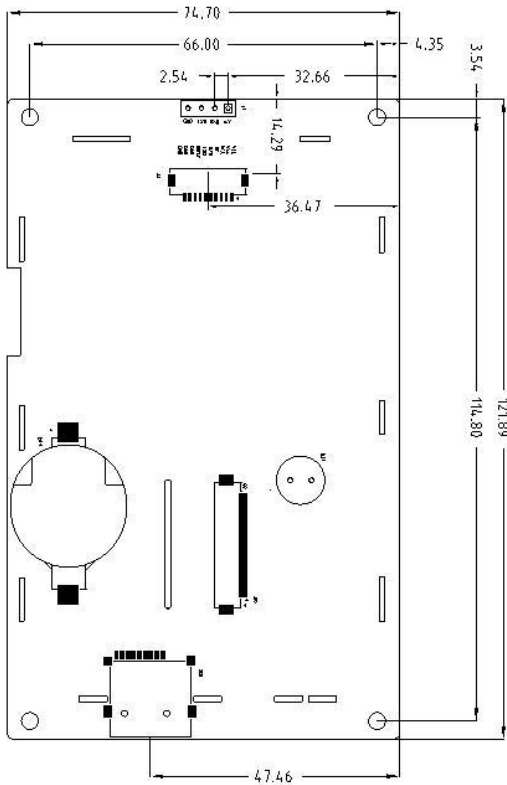
| Interface                         |                                                                                     |       |        |        |      |
|-----------------------------------|-------------------------------------------------------------------------------------|-------|--------|--------|------|
| Item                              | Condition                                                                           | Min.  | Typ.   | Max.   | Unit |
| Baud Rate                         | Standard                                                                            | 1200  | 115200 | 921600 | bps  |
|                                   | User Defined                                                                        | 1200  | -      | 921600 | bps  |
| Output Voltage<br>(TXD、BUSY)      | Output 1,Iout=1mA                                                                   | 3.0   | 3.2    | -      | V    |
|                                   | Output 0,Iout=-1mA                                                                  | -     | 0.1    | 0.2    | V    |
| Input Voltage<br>(RXD)            | Input 1,Iin=1mA                                                                     | 2.0   | 3.3    | 15.0   | V    |
|                                   | Input 0,Iin=-1mA                                                                    | -15.0 | 0.0    | 0.3    | V    |
| Interface                         | 8N1, 3.3V TTL/CMOS (only TTL supported)                                             |       |        |        |      |
| Socket                            | 10pin,1.0mm FFC/4pin, 2.54mm socket                                                 |       |        |        |      |
| USB                               | Reserved (If needed, please contact our sales representative.)                      |       |        |        |      |
| SD slot                           | Yes (SD/SDHC, FAT32 file format)                                                    |       |        |        |      |
| Memory                            |                                                                                     |       |        |        |      |
| Item                              | Parameter                                                                           | Min   | Typ.   | Max    | Unit |
| Flash                             | Space of Font                                                                       | -     | 8      | -      | MB   |
|                                   | Picture Storage                                                                     | -     | 7.5    | -      | MB   |
| Peripherals                       |                                                                                     |       |        |        |      |
| Buzzer                            | Yes                                                                                 |       |        |        |      |
| RTC                               | Yes                                                                                 |       |        |        |      |
| Resistive touch screen            | Yes                                                                                 |       |        |        |      |
| SD Card                           | Yes                                                                                 |       |        |        |      |
| Model number                      |                                                                                     |       |        |        |      |
| P48272J43L_N01                    | No Touch                                                                            |       |        |        |      |
| P48272J43L_T01                    | Resistive Touch                                                                     |       |        |        |      |
| P48272J43L_P01                    | Pcap Touch                                                                          |       |        |        |      |
| Packaging and physical dimensions |                                                                                     |       |        |        |      |
| Parameter                         | Data                                                                                |       |        |        |      |
| Dimensions                        | 121.9(width) ×74.4(height) ×12.6(thickness without TP) / 14.1(thickness with TP) mm |       |        |        |      |
| Net weight of single piece        | TBD                                                                                 |       |        |        |      |
| Weight of whole case              | TBD                                                                                 |       |        |        |      |
| Packing box size                  | TBD                                                                                 |       |        |        |      |
| Packing specification             | 120 pieces /box                                                                     |       |        |        |      |



技术要求:

1. 单位:mm

2. 未注公差±0.3;



| J1引脚编号 | J3引脚编号 | 引脚名称 | 引脚类型 | 说明               |
|--------|--------|------|------|------------------|
| 1      | 1,2,3  | VCC  | P    | 电源输入/Power input |
| -      | 7      | BUSY | OUT  | 串口缓冲区域满信号指示      |
| 3      | 6      | TXD  | OUT  | RS232/TTL 数据输出   |
| 2      | 5      | RXD  | IN   | RS232/TTL 数据输入   |
| 4      | 8,9,10 | GND  | P    | 公共地/GND          |
| -      | 4      | NC   | -    | 未定义/Not Defined  |