

P48272J43C_T01

4.3 Inches, 480xRGBx272, 65K Colors, UnicView LCM



● Display

| Item | Parameter | Description |
|---------------------------------|---|-------------------------------|
| Color | 65K (65536) colors | 16 bit color 5R6G5B |
| Resolution | 480*272 | 90° rotated display (272*480) |
| Backlight /Lifecycle/Brightness | LED/20,000 HOURS/ 250 cd/m ² | |
| Working Temperature | -20~+70°C/-30~+80°C | 64 levels adjustment |

● Voltage & Current

| Item | Conditions | Min | Typ | Max | Unit |
|-------------------|--------------------------------|-----|-----|-----|------|
| Power Voltage | - | - | 5 | 5.5 | V |
| Operation Current | VIN = 5V, Backlight on | - | 450 | - | mA |
| | VIN = 5V, Backlight off | - | 260 | - | mA |
| | Recommend Power Input: 5V1A DC | | | | |

● Reliability Test

| Item | Conditions | 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

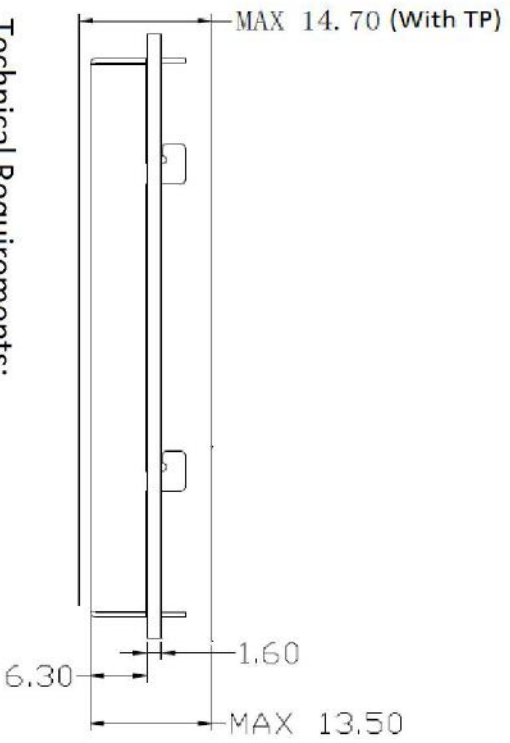
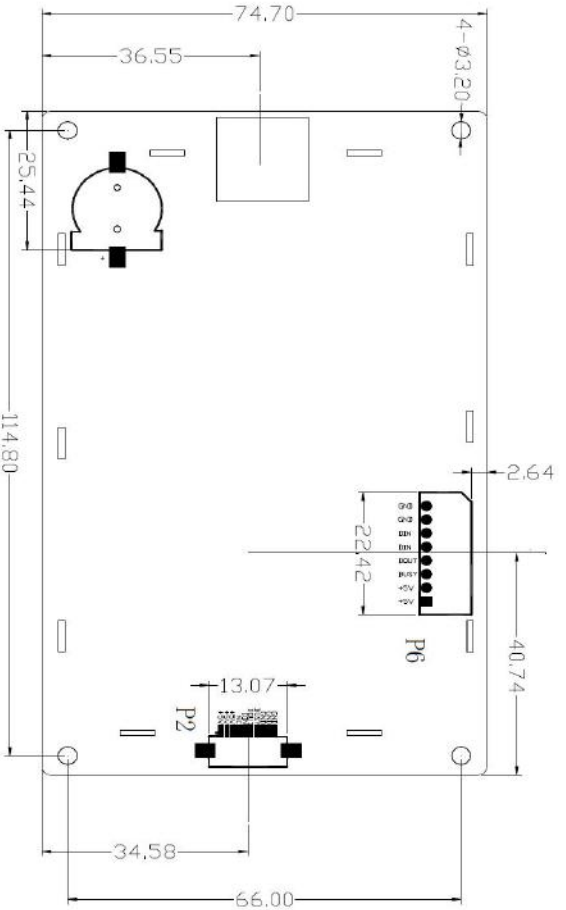
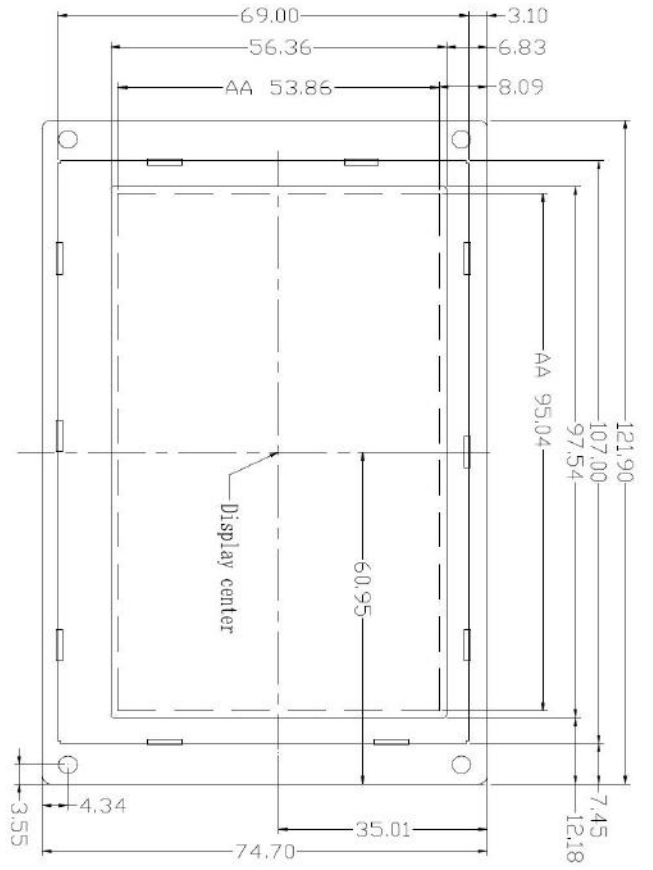
| Item | Conditions | Min | Typ. | Max | Unit |
|----------------------------|--|-------|--------|--------|------|
| Baud Rate | Standard | 1200 | 115200 | 921600 | bps |
| | User define | 1200 | - | 921600 | bps |
| Output Voltage (TXD, BUSY) | Output 1, Iout = 1mA | 3.0 | 3.2 | - | V |
| | Output 0, Iout = -1mA | - | 0.1 | 0.2 | V |
| Input Voltage (RXD, I/O) | Input 1, Iin = 1mA | 2.0 | 3.3 | 15.0 | V |
| | Input 0, Iin = -1mA | -15.0 | 0.0 | 0.3 | V |
| Interface | Mode is determined by Jumper6: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232 | | | | |
| Socket | HY2.0-8P/10Pin_1.0mm FFC | | | | |
| USB | None | | | | |
| SD slot | Yes (SD/SDHC, FAT32 file format) | | | | |

● Memory

| Item | Parameter | Min | Typ. | Max | Unit |
|-------|-------------------------|-----|------|-----|------|
| Flash | Space of Font | - | 32 | - | MB |
| | Picture Storage (128MB) | - | - | 365 | Pcs |
| | Picture Storage (256MB) | - | - | 215 | Pcs |
| | Picture Storage (1GB) | - | - | 932 | Pcs |
| | User's Storage | 0 | - | 32 | MB |

● Peripherals

| No. | Parameter | Description |
|-----|--------------|--|
| 1 | Touch Screen | 4-wire resistance touch screen: P48272J43C_T01 |
| | | 4-wire capacitive touch screen: P48272J43C_P01 |
| 2 | Buzzer | YES |
| 3 | RTC | YES |
| 4 | Audio Play | YES |
| 5 | SD Card | YES |



Technical Requirements:

- 1. Unit: mm
- 2. Unmarked Tolerance: ±0.3mm

| Pin Name | P6 Pin Num. | P2 Pin Num. | Pin Type | Remarks |
|----------|-------------|-------------|----------|-----------------------|
| +5V | 1,2 | 1,2,3 | P | POWER INPUT |
| BUSY | 3 | 7 | OUT | Buffer Full Signal |
| DOUT | 4 | 6 | OUT | RS232/TTL Data Output |
| DIN | 5,6 | 5 | IN | RS232/TTL Data Input |
| GND | 7,8 | 8,9,10 | - | GND |