

P80480V70C_T07

7.0 Inches, 800xRGBx480, 65K Colors, UNICView LCM



● Display

| Item | Parameter | Description |
|---------------------------------|---|-------------------------------|
| Color | 65K (65536) colors | 16 bit color 5R6G5B |
| Visual Angle L/R/U/D | 70° /70° /50° /60° | |
| Resolution | 800*480 | 90° rotated display (480*800) |
| Backlight /Lifecycle/Brightness | LED/20,000 HOURS/ 400 cd/m ² | |
| Working Temperature | -20~+70°C/-30~+80°C | 64 levels adjustment |

● Voltage & Current

| Item | Conditions | Min | Typ | Max | Unit |
|-------------------|-------------------------|-----|-----|-----|------|
| Power Voltage | - | 3.4 | 5 | 6 | V |
| Operation Current | VIN = 5V, Backlight on | - | 480 | - | mA |
| | VIN = 5V, Backlight off | - | 160 | - | mA |

● Interface

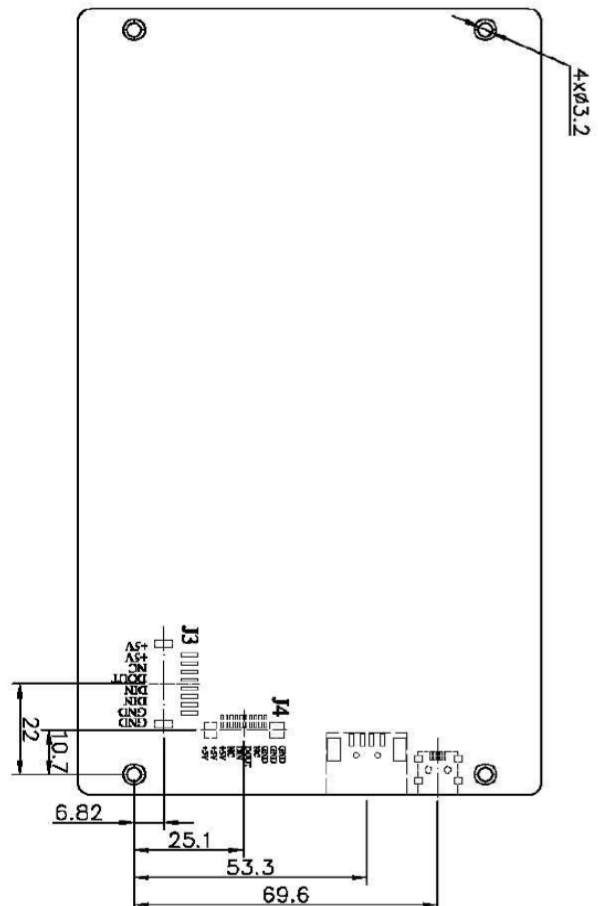
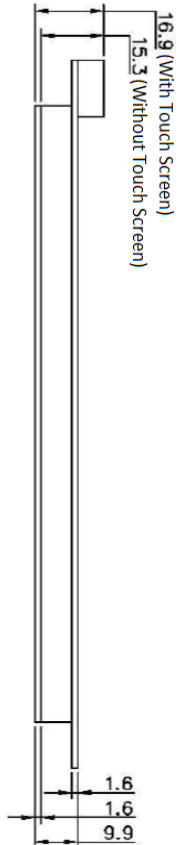
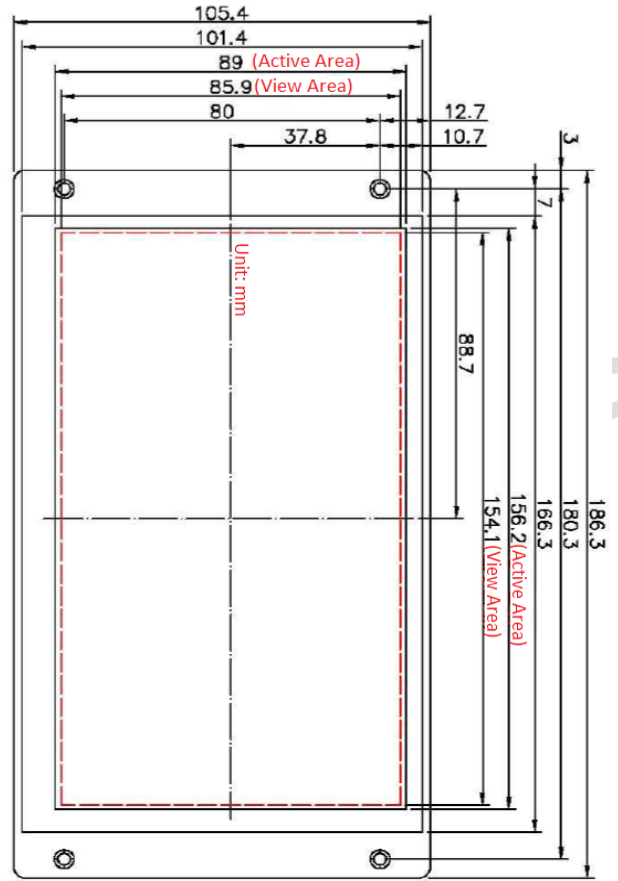
| Item | Conditions | Min | Typ | Max | Unit |
|-------------|--|------|--------|--------|------|
| Baudrate | Standard | 1200 | 115200 | 892900 | bps |
| Interface | TTL/CMOS | | | | |
| Data Format | 1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end | | | | |
| Socket | SMD2.0-8P with lock catch | | | | |


Note: Short-circuit J17 to choose RS232

● Peripherals

| No. | Parameter | Description |
|-----|--------------|--|
| 1 | Touch Screen | 4-wire resistance touch screen: P80480V70C_T07 |
| | | 4-wire capacitive touch screen: P80480V70C_P07 |
| | | No touch screen: P80480V70C_N07 |
| 2 | Buzzer | YES |
| 3 | RTC | YES |
| 4 | USB | YES. For downloading offline or user data copy. |
| 5 | USB Mini | YES. For online debugging. |
| 8 | Memory | 128M(support *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum. |
| | | External board needed for online debugging |





| | | | | | |
|-------------------|------------|-----------------------|-----------------|-------------|--|
| Part No. | | P80480V70C_T07 | | |  Proculus Technologies Co., Ltd. |
| Datasheet | A4 | Drawn by | Proculus | Date | |
| Proportion | 1:1 | Verified by | | Date | |
| Unit | mm | Confirmed by | | Date | |

| Pin Name | J3 Pin Number | J4 Pin Number | Remarks |
|----------|---------------|---------------|-------------|
| +5V | 7,8 | 1,2,3 | POWER INPUT |
| GND | 1,2 | 8,9,10 | GND |
| DIN | 3,4 | 5 | DIN |
| DOUT | 5 | 6 | DOUT |
| NC | 6 | 4,7 | Not Defined |