

P48272V50C_T07

5.0 Inches, 480xRGBx272, 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° /70°	
Resolution	480*272	90° rotated display (272*480)
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 500 cd/m ²	64 levels adjustment
Working Temperature	-20~+70°C/-30~+80°C	

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6	12	35	V
Operation Current	VIN = 12V, Backlight on	-	150	-	mA
	VIN = 12V, Backlight off	-	60	-	mA

Note: Short-circuit J25 to choose Power Input as 5V (4.5V~5.5V)

● Interface

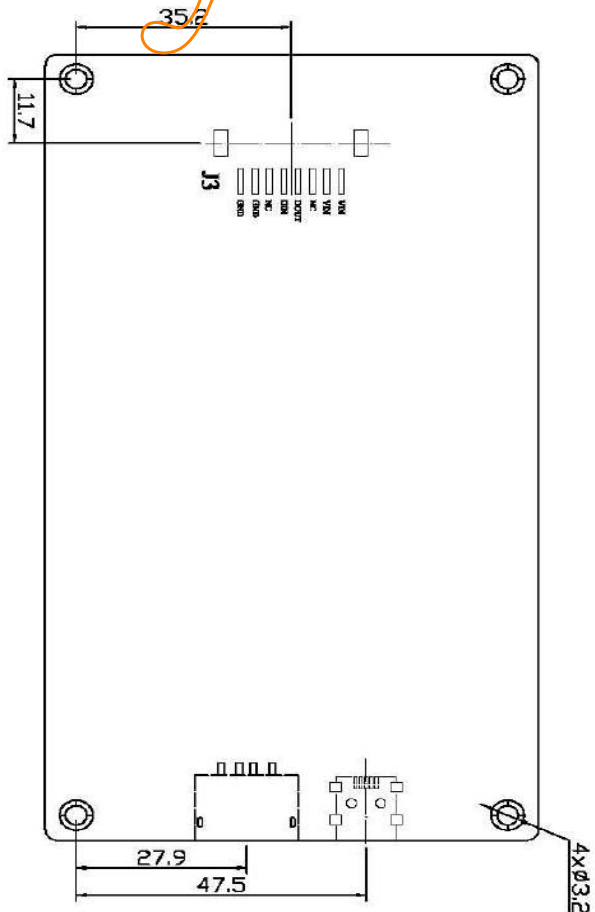
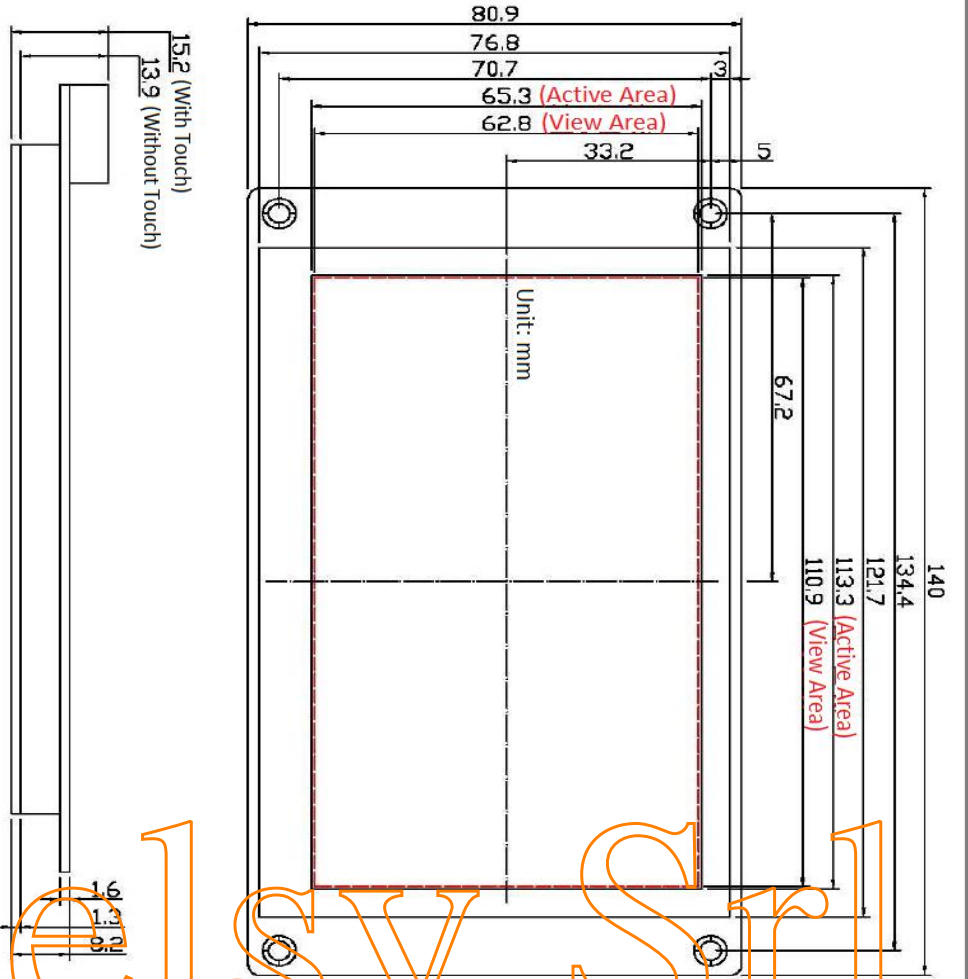
Item	Conditions	Min	Typ	Max	Unit
Baudrate	Standard	1200	115200	892900	bps
Interface	TTL/CMOS				
Data Format	1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end				
Socket	SMD2.0-8P with lock catch				

Note: Short-circuit J17 to choose RS232

● Peripherals

No.	Parameter	Description	
1	Touch Screen	4-wire resistance touch screen: P48272V50C_T07	
		4-wire capacitive touch screen: P48272V50C_P07	
		No touch screen: P48272V50C_N07	
2	Buzzer	YES	
3	RTC	YES	
4	USB	YES. For downloading offline or user data copy.	External board needed for online debugging
5	USB Mini	YES. For online debugging.	
6	Memory	128M(support *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum	





Part No.		P48272V50C_T07	
Datasheet	A4	Drawn by	Proclus
Proportion	1:1	Verified by	Proclus
Unit	mm	Confirmed by	Proclus
		Date	Date

Pin Name	J1 Pin Num.	Remarks
VIN	7,8	POWER INPUT
GND	1,2	GND
DIN	4	Data Input
DOUT	5	Data Output
NC	3,6	Not Defined

Modelsys SRI