P80480V50C_x17

5.0 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° /70°	
Resolution	800*480	90° rotated display (480*800)
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 400 cd/m²	64 levels adjustment
Working Temperature	-20~+70℃/-30~+80℃	

Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6	12	35	V
Operation Current	VIN = 12V, Backlight on	-	170	-	mA
	VIN = 12V, Backlight off	-	90	-	mA

Note: Short-circuit J25 to set power input to 5V (4.5V-6V).

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				

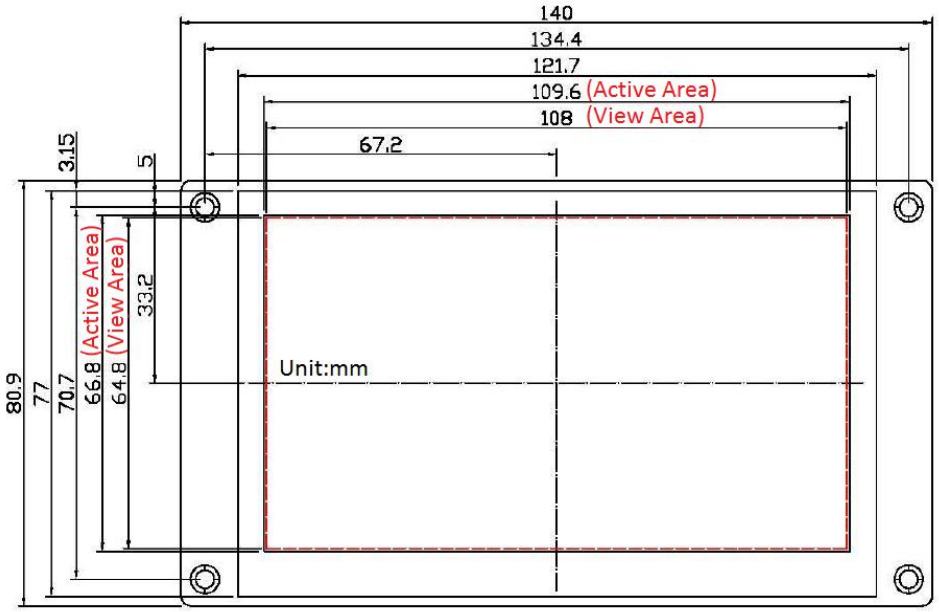
Note: Short-circuit J17 to choose RS232

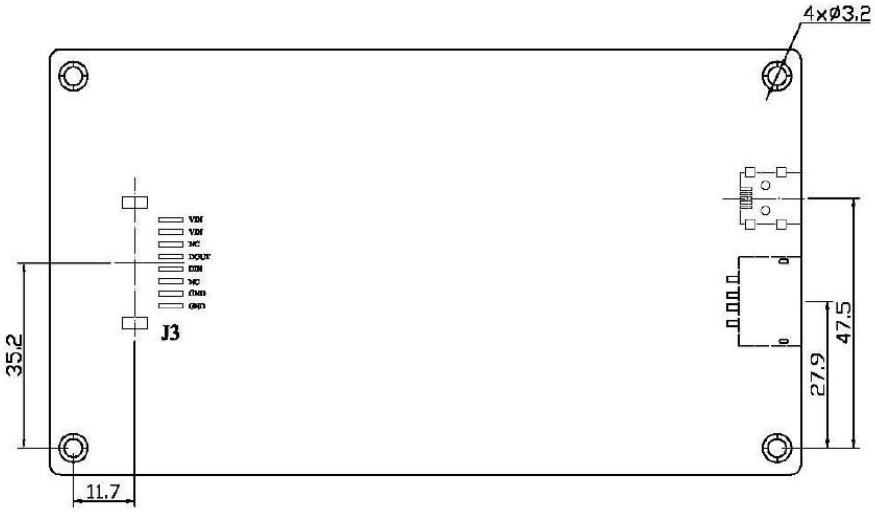
Peripherals

No.	Parameter	Description	
1	Touch Screen	4-wire resistance touch screen: P80480V50C_T17	
		4-wire capacitive touch screen: P80480V50C_P17	
		No touch screen: P80480V50C_N17	
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.	



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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

Part No.	P80480V50C_T17				PROCULUS TECHNOLOGIES INC.
Datasheet	A4	Drawn by	Proculus	Date	
Proportion	1:1	Verified by		Date	
Unit	mm	Confirmed by		Date	