

# P80480J70L\_T01

7 Inches, 800xRGBx480, 65K Colors, UnicView LCM



### ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Resolution	800*480	90° rotated display (480*800)
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 250 cd/m <sup>2</sup>	
Working Temperature	-20~+70°C/-30~+80°C	64 levels adjustment

### ● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	-	12	-	V
Operation Current	VIN = 12V, Backlight on	-	210	-	mA
	VIN = 12V, Backlight off	-	65	-	mA
	Recommend Power Input: 12V1A DC				

### ● Reliability Test

Item	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 12V 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

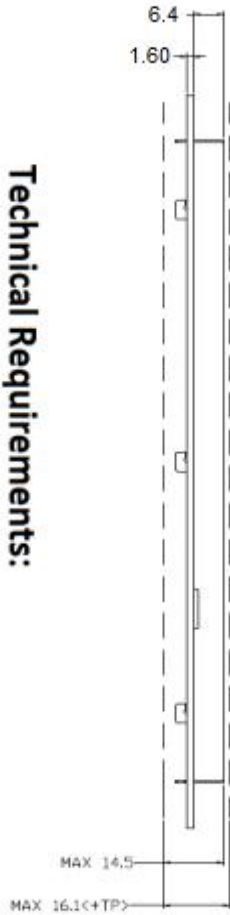
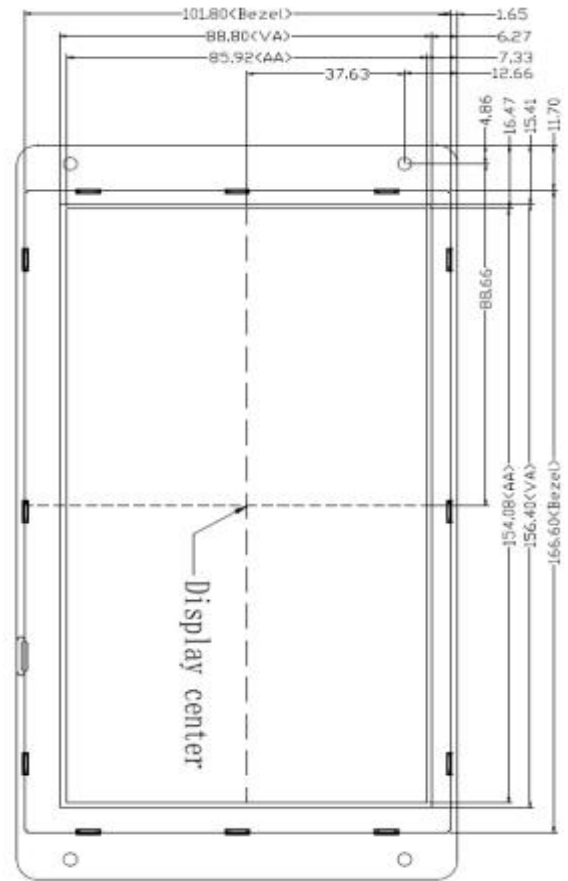
Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User define	1200	-	921600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD, I/O)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	V
Interface	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	-	8	-	MB
	Picture Storage (7.5MB)	-	-	512	Pcs

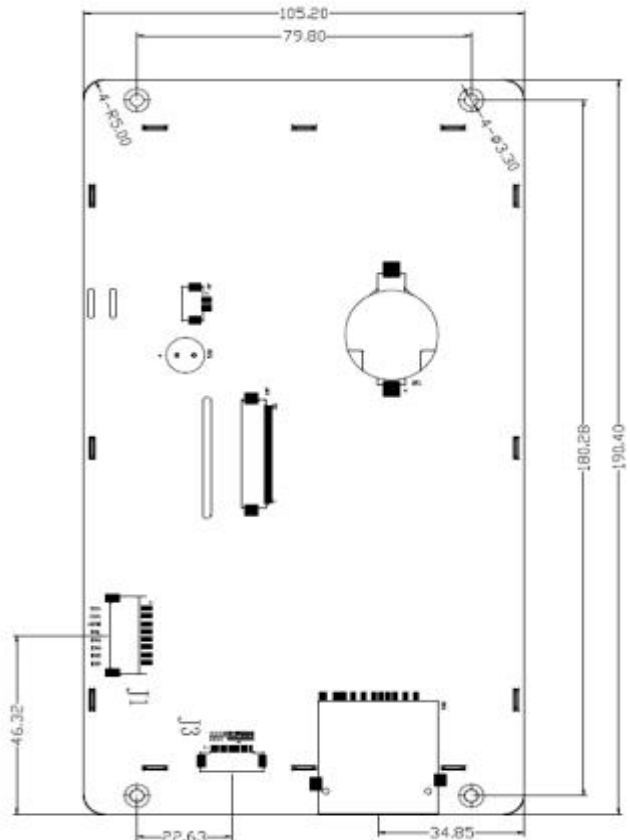
### ● Peripherals

No.	Parameter	Description
1	Touch Screen	4-wire resistance touch screen: P80480J70L_T01
		4-wire capacitive touch screen: P80480J70L_P01
2	Buzzer	YES
3	RTC	YES
4	Audio Play	YES
5	SD Card	YES



**Technical Requirements:**

- 1. Unit: mm
- 2. Unmarked Tolerance: ±0.5



Pin Name	J1 Pin Num.	J3 Pin Num.	Pin Type	Remarks
VCC	1,2	1,2,3	P	POWER INPUT
BUSY	3	7	OUT	BUFFER BUSY
TXD	4	6	OUT	RS232/TTL Data Output
RXD	5,6	5	IN	RS232/TTL Data Input
GND	7,8	8,9,10	P	GND
NC	-	4	-	Not Defined