

P80600J80I_T01

8 Inches, 800xRGBx600, 65K Colors, UnicView LCM



● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Resolution	800*600	90° rotated display (600*800)
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	-	-	12	-	V
Operation Current	VIN = 12V, Backlight on	-	210	260	mA
	VIN = 12V, Backlight off	-	70	90	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

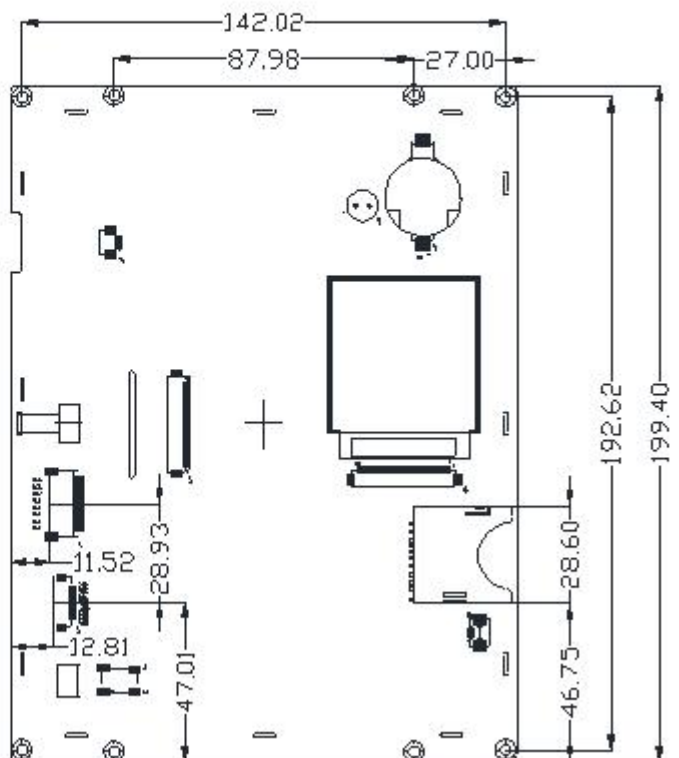
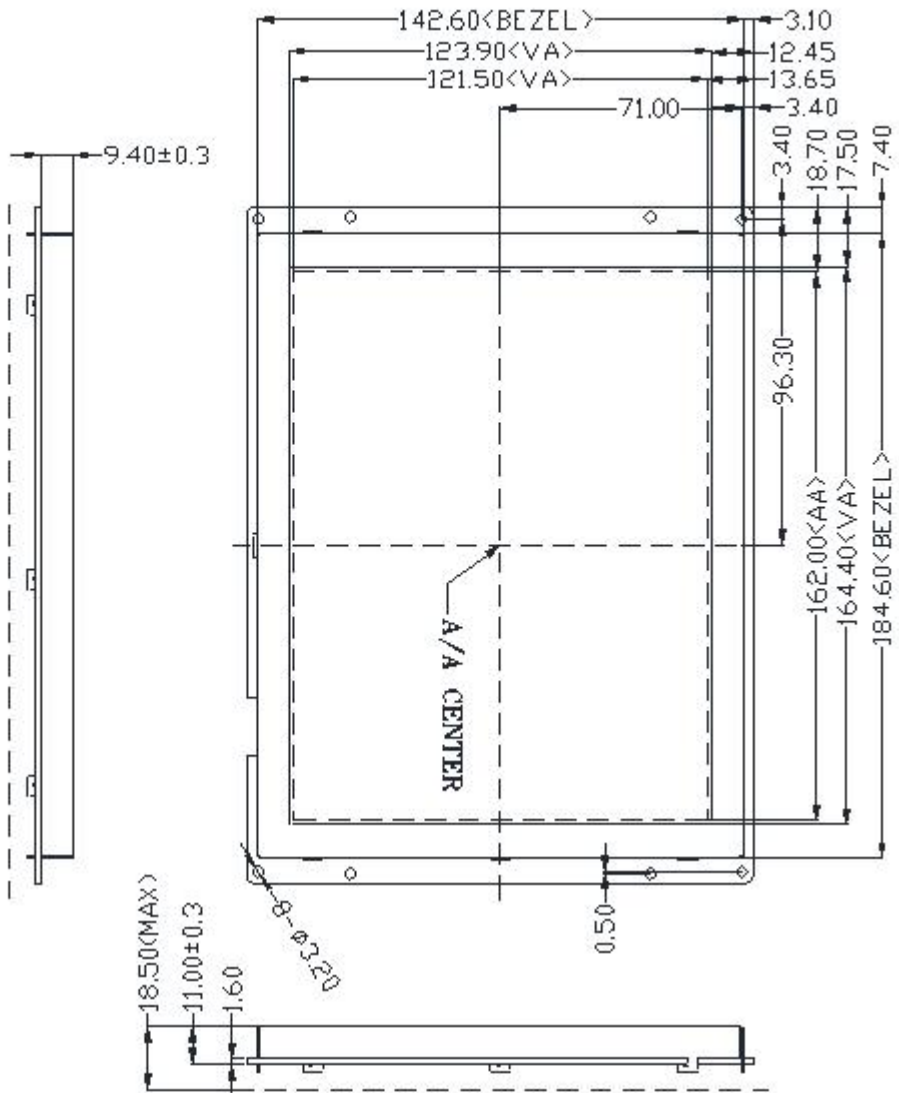
Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User define	1200	-	921600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD, I/O0)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	V
Interface	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 (256MB)	-	-	220	Pcs
	Picture Storage (1GB)	-	-	932	Pcs
	User's Storage	0	-	32	MB

● Peripherals

No.	Parameter	Description
1	Touch Screen	4-wire resistance touch screen: P80600J80I_T01
		4-wire capacitive touch screen: P80600J80I_P01
2	Buzzer	YES
3	RTC	YES
4	Audio Play	YES
5	SD Card	YES



- Technical Requirements:**
1. Unit: mm
 2. Unmarked Tolerance: $\pm 0.3\text{mm}$

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