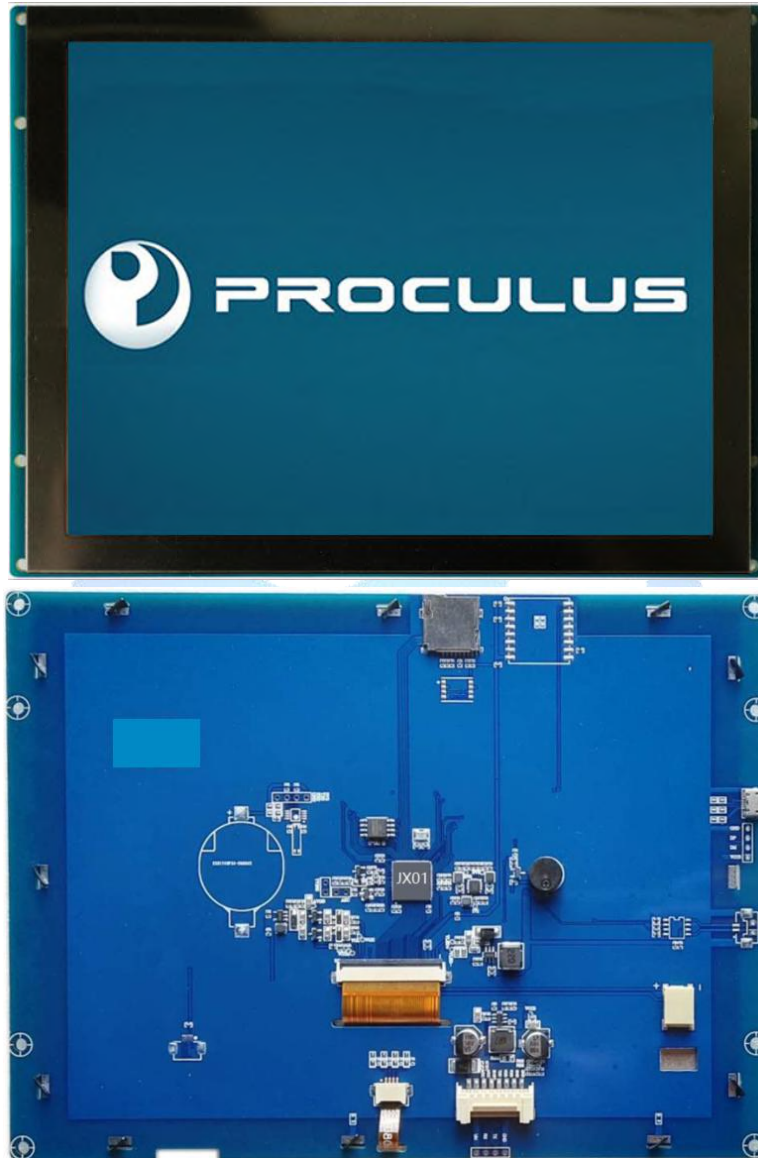


P80600J80L_X01

(X can be defined as N/T/P; N=No Touch/T=Resistive Touch/P=Pcap Touch)

8.0 Inches, 800xRGBx600, 65K Colors



Modification Record

Date	Content
2016/09/05	First release
2018/04/19	Audio interface added

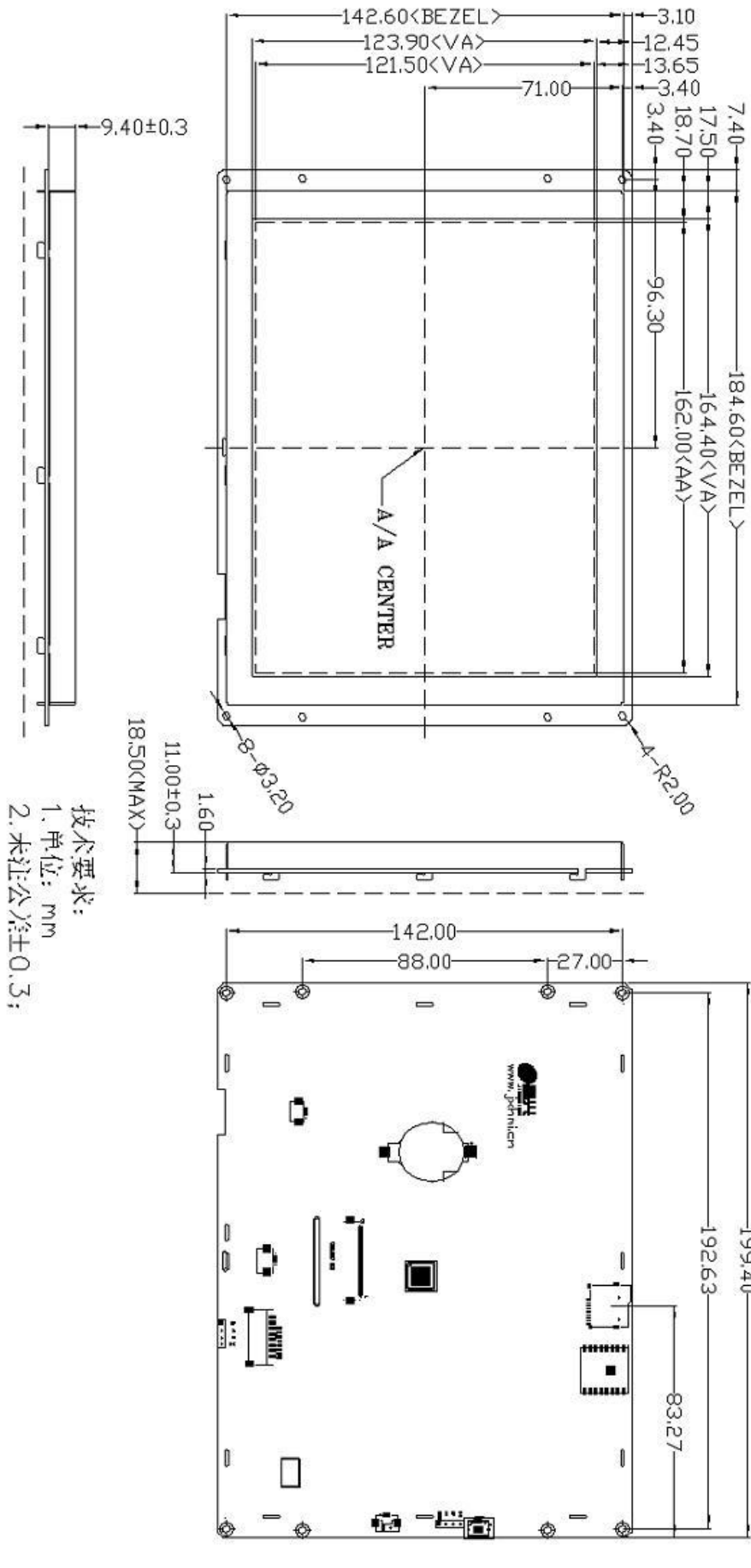
Features

- Support RS232/TTL/CMOS, the max baud rate is 921600bps;
- Support audio
- Support hardware JPG decoding which makes storage more efficient and display quicker;
- Support offline batch download through USB Flash Drive, which improves download efficiency and reduce requirements for operators;
- Support backlight brightness adjustment and automatic standby screen saver function;
- Support multi-language font library, picture, TWO-DIMENSIONAL code display;
- Support number and English input, customizable keyboard interface;
- Support 90 degrees, 180 degrees, 270 degrees screen rotation, adjustable visual angle;
- Easy-to-use UnicView GUIs Development, no coding skills required;
- Instant operation when power on without system load time;
- Excellent electromagnetic compatibility characteristics.



Display					
Color	65K (65536) colors, 16 bit color 5R6G5B				
ACTIVE AREA / View Area	162.0mm(width)×121.5mm(height)/164.8 mm(width)×124.3 mm(height)				
Resolution	800*600, 90° rotated display (600*800)				
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 300 cd/m ² / (64 level adjustment)				
Working Temperature	-20~+70°C/-30~+85°C				
Voltage & Current					
Item	Condition	Min.	Typ.	Max.	Unit
Power Voltage		—	12	—	V
Operation Current	VIN = 12V, Backlight on	—	330	—	mA
	VIN = 12V, Backlight off	—	160	—	mA
Recommended Power Supply: 12V 1A DC					
Reliability Test					
Item	Condition	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	Condition	Min.	Typ.	Max.	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User Defined	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)	Input 1,Iin=1mA	2.0	3.3	15.0	V
	Input 0,Iin=-1mA	-15.0	0.0	0.3	V
Interface	8N1, 3.3V TTL/CMOS (only TTL supported)				
Socket	HY2.0-8P/4pin, 2.54mm socket				
USB	Reserved (If needed, please contact our sales representative.)				
SD slot	Yes (SD/SDHC, FAT32 file format)				
Memory					
Item	Parameter	Min	Typ.	Max	Unit
Flash	Space of Font	-	8	-	MB
	Picture Storage (1GB)	-	7.5	-	MB
Peripherals					
Buzzer	Yes				
RTC	Yes				
Resistive touch screen	Yes				
SD Card	Yes				
Audio	Yes				
Model number					
P80600J80L_N01	No Touch				
P80600J80L_T01	Resistive Touch				
P80600J80L_P01	Pcap Touch				
Packaging and physical dimensions					
Parameter	Data				
Dimensions	199.4(width) ×148.8(height) ×17.8(thickness without TP) / 20.2(thickness with TP) mm				
Net weight of single piece	550g				
Weight of whole case	TBD				
Packing box size	395mm(L)×330mm(W)×230mm (H)				
Packing specification	20 pieces /box				



PACKAGE DIMENSIONS (UNIT: mm GENERAL TOLERANCE: ±0.30)