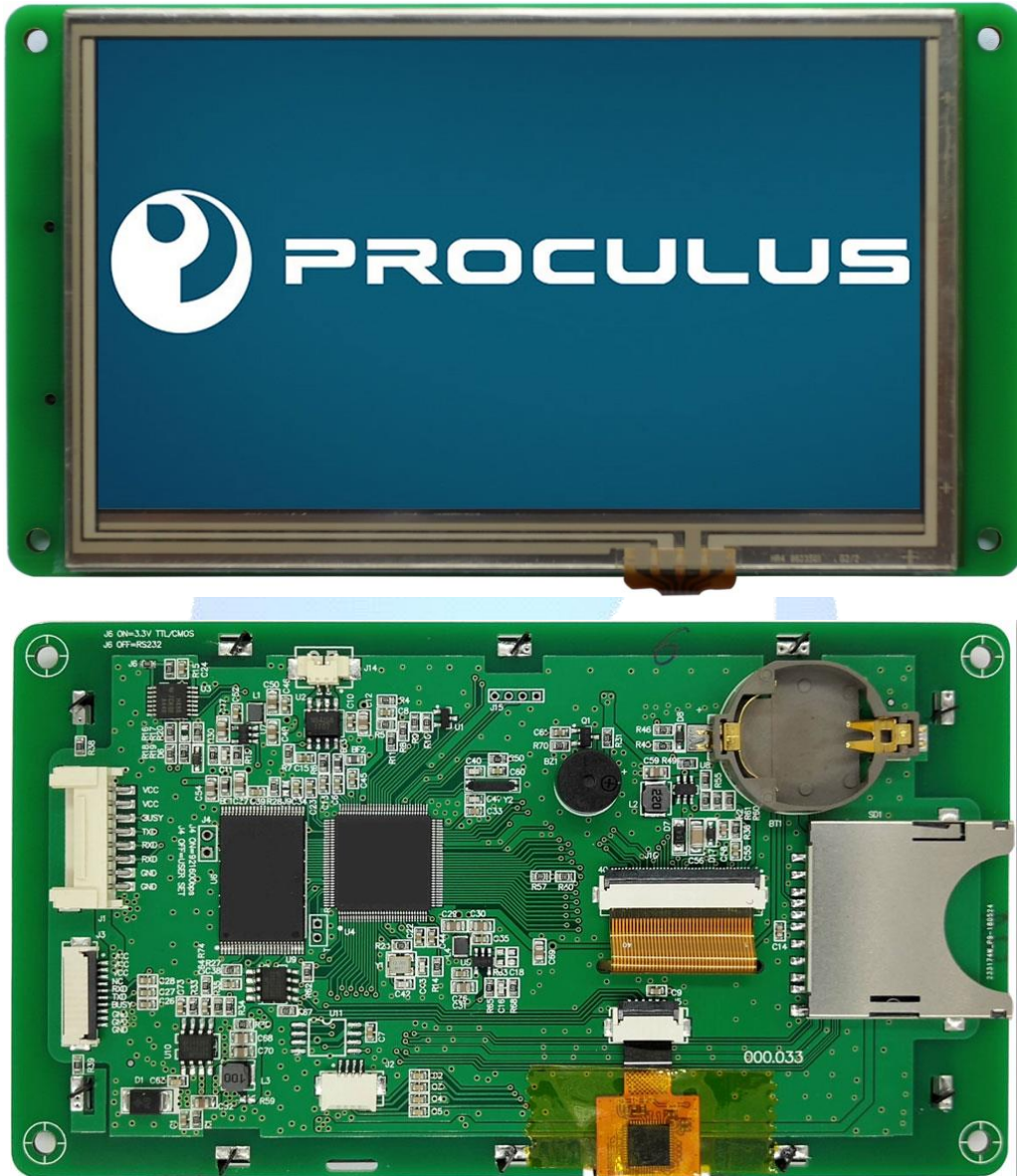


P80480J50C_X02

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

5.0 Inches, 800xRGBx480, 65K Colors



Modification Record

Date	Content
2016/05/27	First release
2024/08/08	Optimize dimensional diagram information

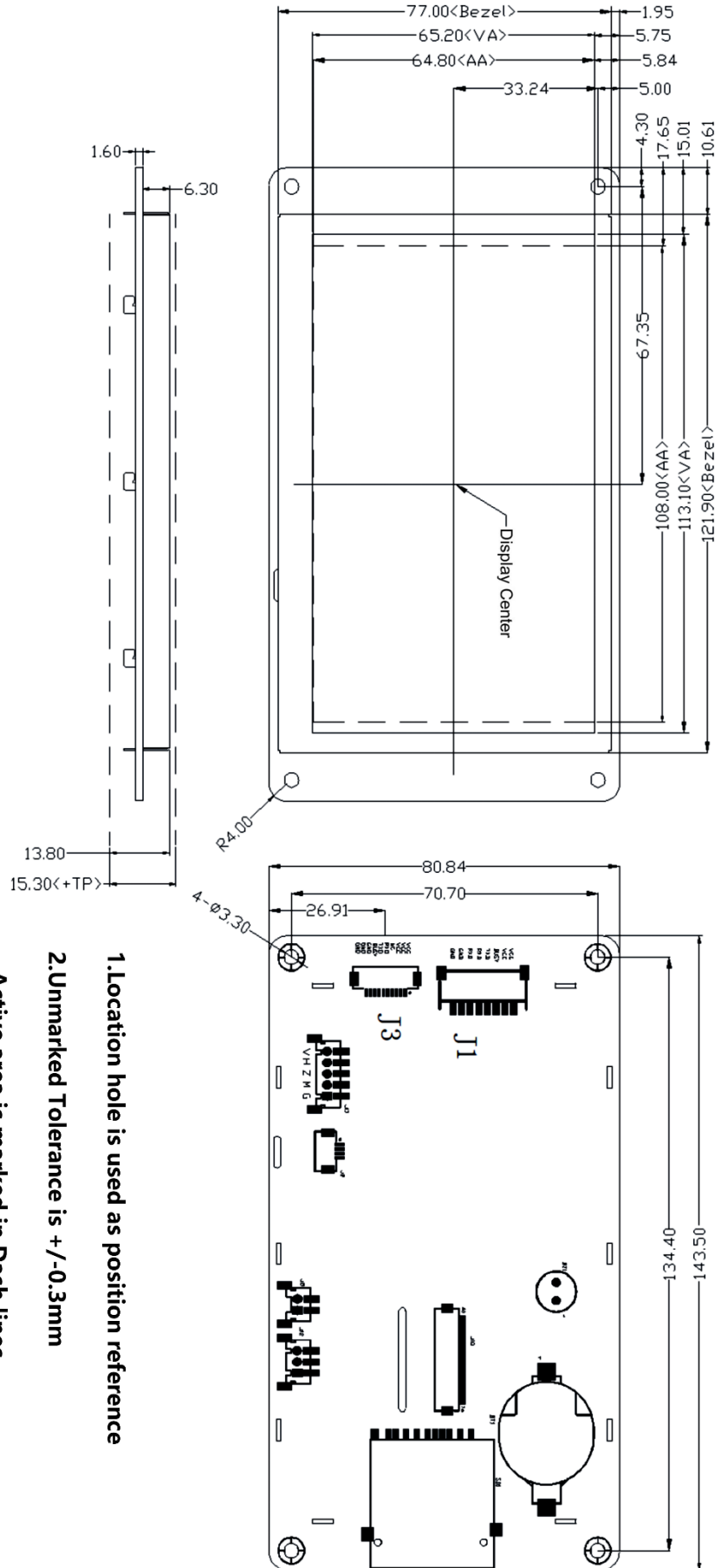
Features

- Support RS232/TTL/CMOS, the max baud rate is 921600bps;
- 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	108.0mm(width)×64.8mm(height)/113.1 mm(width)×65.2 mm(height)				
Resolution	800*480, 90° rotated display (480*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		5	5	15	V
Operation Current	VIN = 5V, Backlight on	-	450	-	mA
	VIN = 5V, Backlight off	-	260	-	mA
Recommended Power Supply: 5V 1A DC					
Reliability Test					
Item	Condition	Min.	Typ.	Max.	Unit
Working Temperature	60%RH at 5V 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	Mode is determined by Jumper6: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	10pin,1.0mm FFC				
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	-	32	-	MB
	Picture Storage (128MB)	-	-	123	Pcs
	Picture Storage (256MB)	-	-	296	Pcs

	Picture Storage (1GB)	-	-	1313	Pcs
	User' s Storage	0	-	32	MB
Peripherals					
Buzzer	Yes				
RTC	Yes				
Resistive touch screen	Yes				
SD Card	Yes				
Model number					
P80480J50C_N02	No Touch				
P80480J50C_T02	Resistive Touch				
P80480J50C_P02	Pcap Touch				
Packaging and physical dimensions					
Parameter	Data				
Dimensions	143.5(width) ×80.9(height) ×13.8(thickness without TP) / 15.3(thickness with TP) mm				
Net weight of single piece	140g				
Weight of whole case	TBD				
Packing box size	TBD				
Packing specification	60 pieces /box				



1. Location hole is used as position reference

2. Unmarked Tolerance is +/-0.3mm

Active area is marked in Dash lines

Part No.	P80480J50C_X02			
Datasheet	A4	Drawn by	Proclus	
Proportion	1:1	Verified by		Date
Unit	mm	Confirmed by		Date