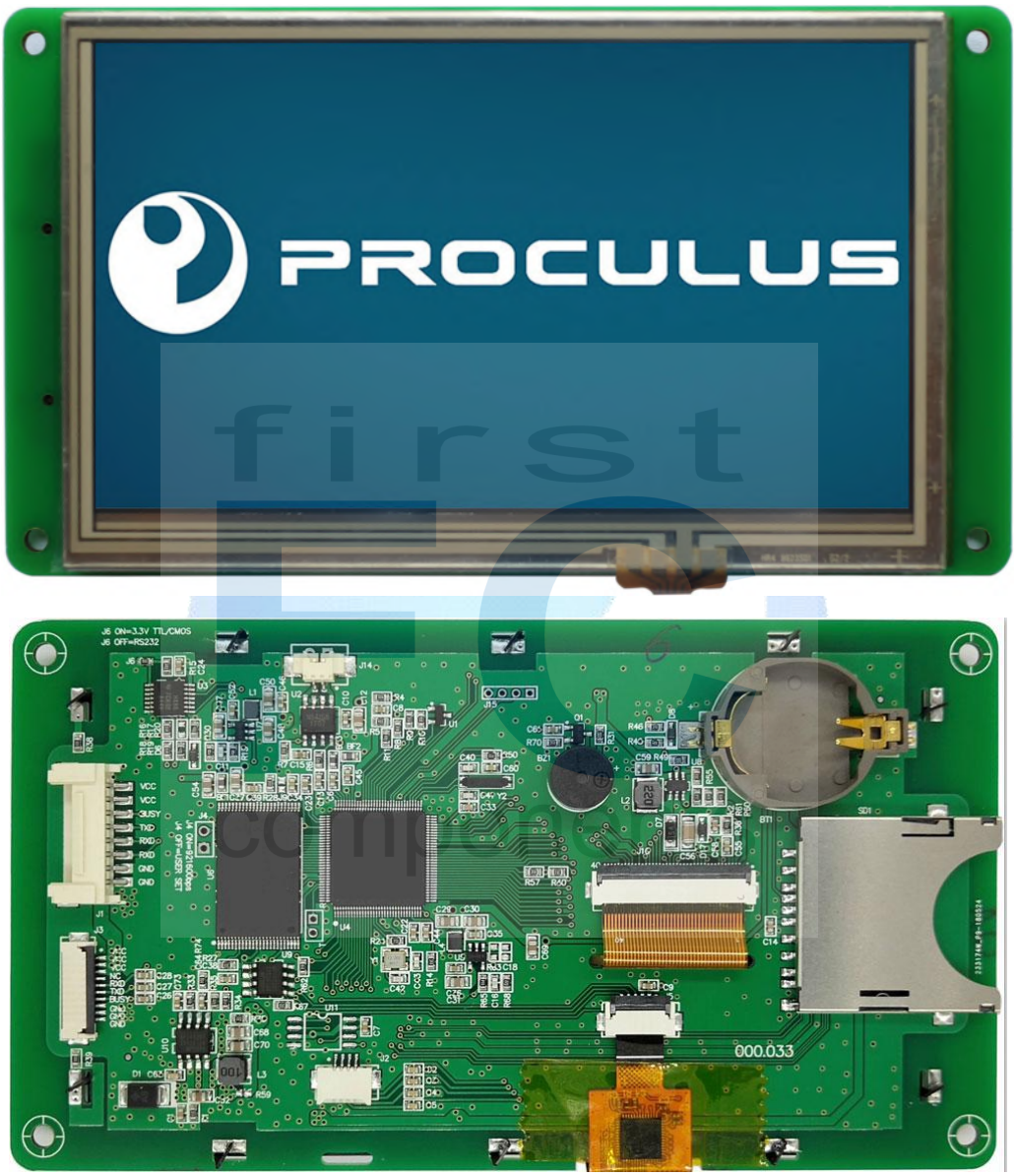
P80480J50C_X02

(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

Represented by:
FIRST Components s.r.l.
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+39 0332 1888005

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/m²/ (64 level adjustment)
Working Temperature	-20~+70℃/-30~+85℃

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	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	8	-	H

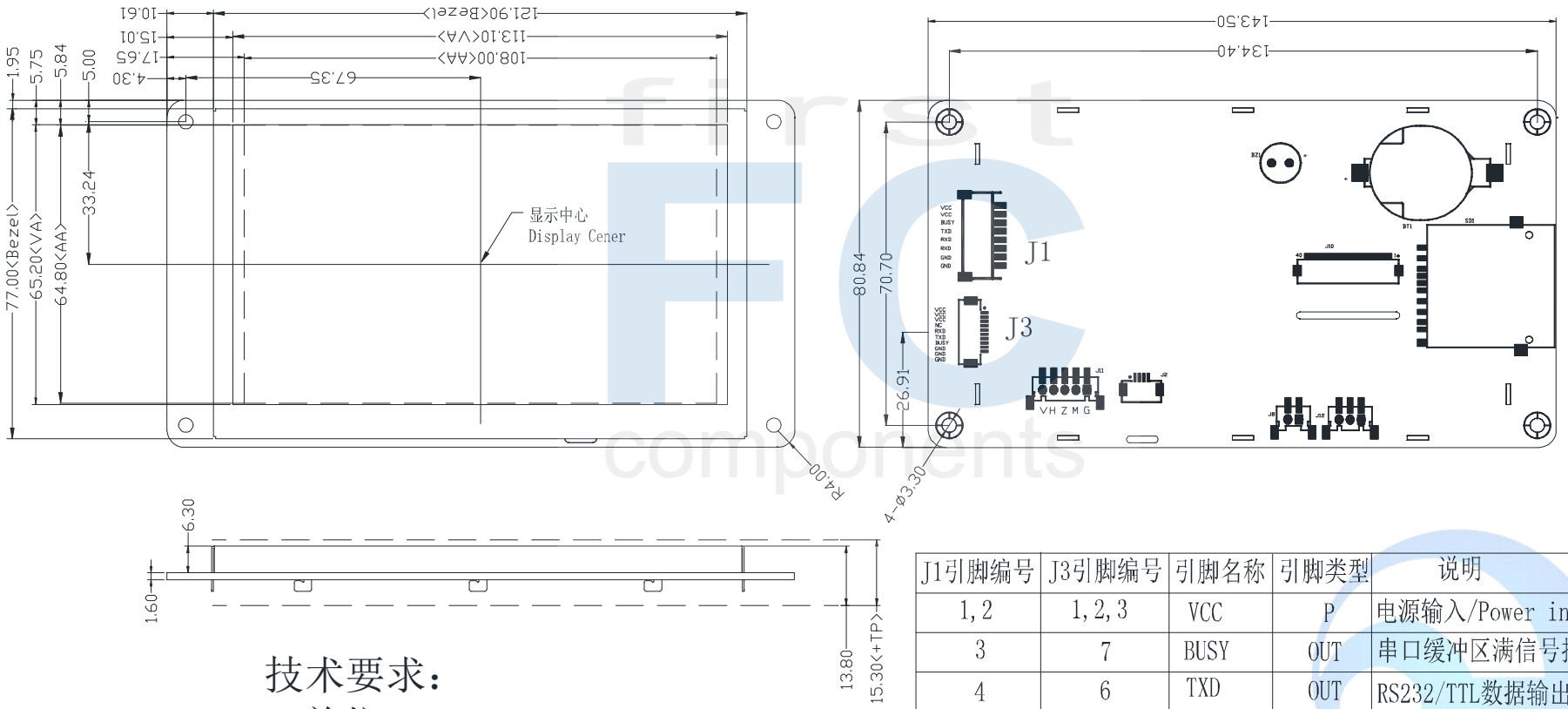
Interface					
Item	**Condition**	**Min.**	**Typ.**	**Max.**	**Unit**
Baud Rate	Standard	1200	115200	921600	bps
	User Defined	1200	-	921600	bps
Output Voltage (TXD、BUSY)	Output 1,Iout=1mA	3.0	3.2	-	V
	Output 0,Iout=-1mA	-	0.1	0.2	V
Input Voltage (RXD)	Input 1,Iin=1mA	2.0	3.3	15.0	V
	Input 0,Iin=-1mA	-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



技术要求：

1.单位：mm

2.未注公差±0.3；

J1引脚编号	J3引脚编号	引脚名称	引脚类型	说明
1,2	1,2,3	VCC	P	电源输入/Power input
3	7	BUSY	OUT	串口缓冲区满信号指示
4	6	TXD	OUT	RS232/TTL数据输出
5,6	5	RXD	IN	RS232/TTL数据输入
7,8	8,9,10	GND	P	公共地/GND
-	4	NC	-	未定义/Not Defined

first components