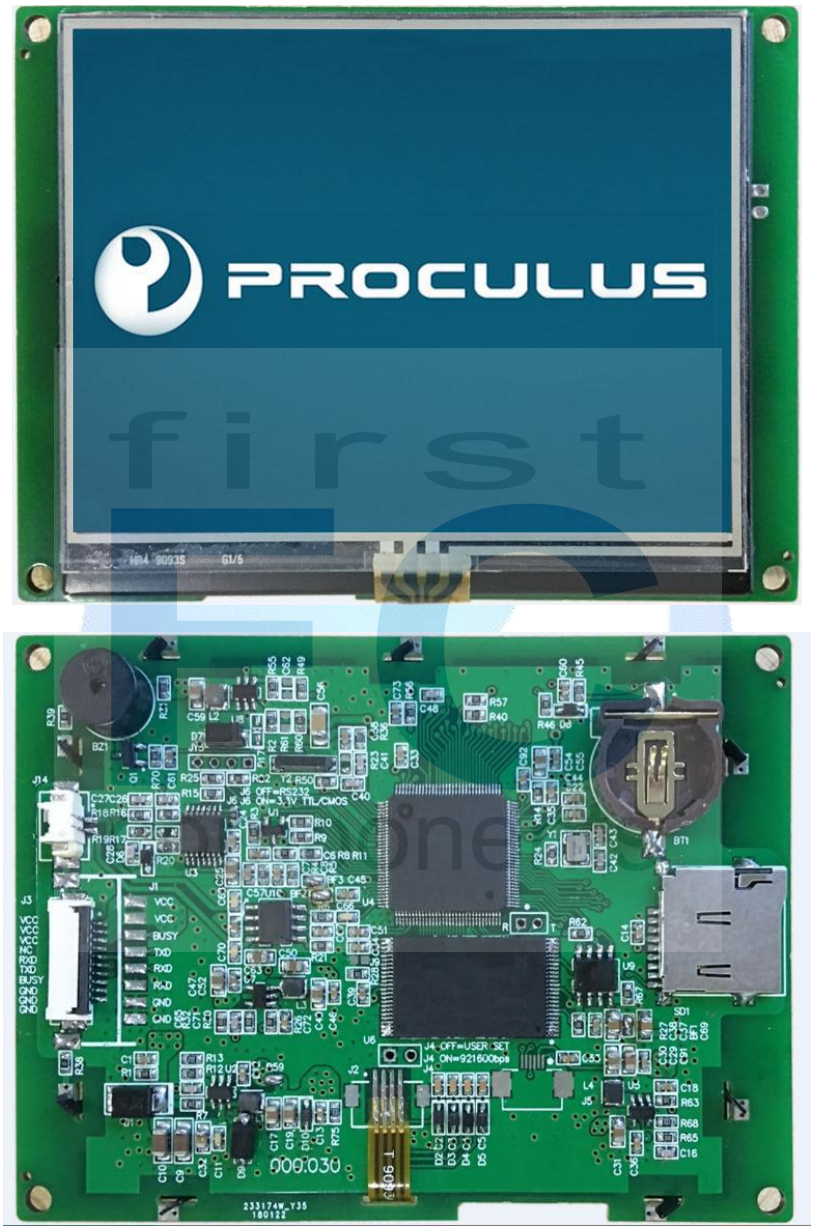
P32240J35C_X01

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

3.5 Inches, 320xRGBx240, 65K Colors



Modification Record

Date	Content
2016/11/01	First release
2018/03/14	Structure drawing modification

Represented by:
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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	70.0mm(width)×52.6mm(height)/72.5 mm(width)×55.0 mm(height)
Resolution	320*240，90° rotated display (240*320)
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	-	V
Operation Current	VIN = 12V, Backlight on	-	180	-	mA
	VIN = 12V, Backlight off	-	100	-	mA
Recommended Power Supply: 12V 1A DC					

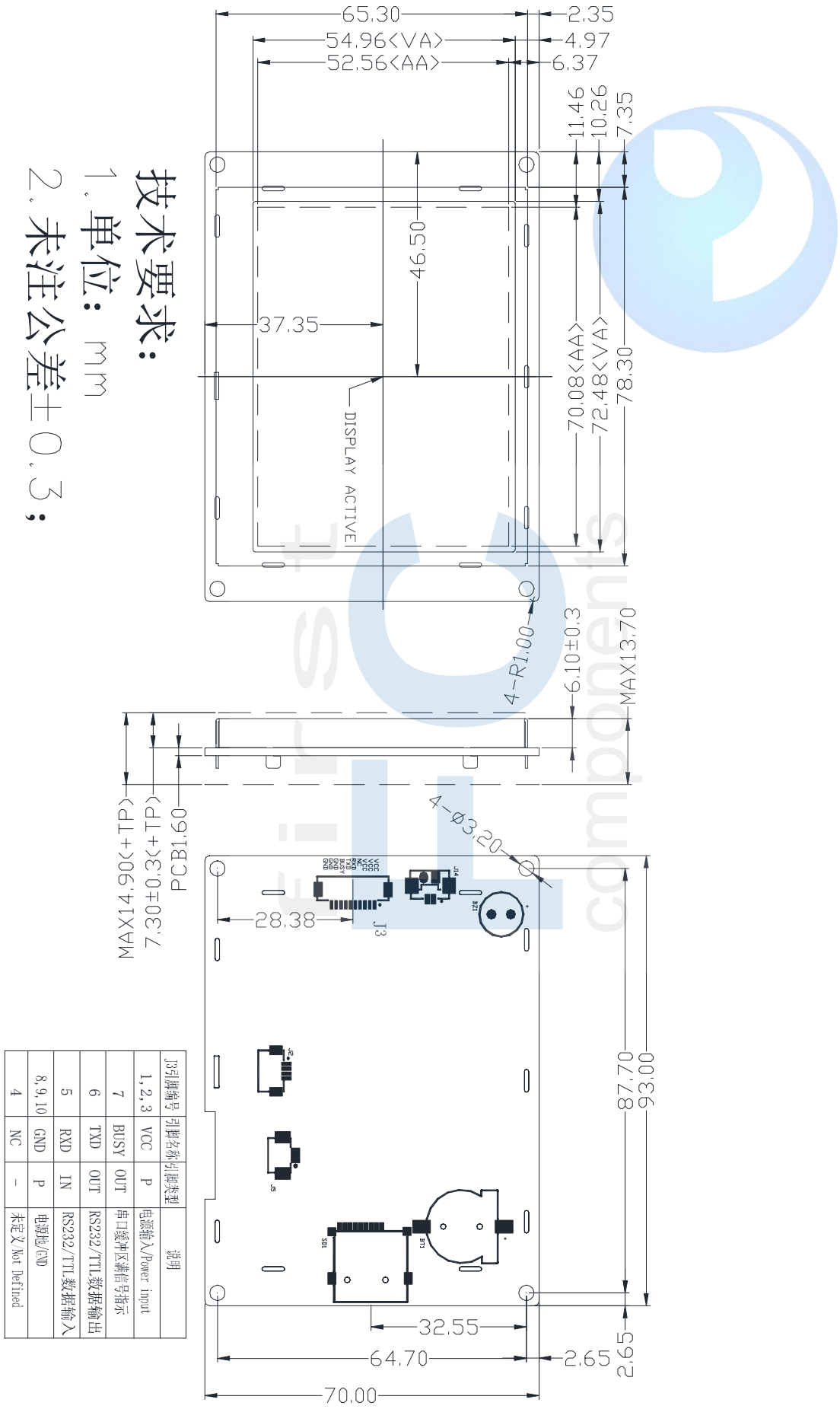
Reliability Test					
Item	**Condition**	**Min.**	**Typ.**	**Max.**	**Unit**
Working Temperature	60%RH at 12V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

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)	-	-	373	Pcs
	Picture Storage (256MB)	-	-	868	Pcs
	Picture Storage (1GB)	-	-	2800	Pcs
	User’ s Storage	0	-	32	MB
Peripherals					
Buzzer	Yes				
RTC	Yes				
Resistive touch screen	Yes				
SD Card	Yes				
Audio	Yes				
Model number					
P32240J35C_N01	No Touch				
P32240J35C_T01	Resistive Touch				
P32240J35C_P01	Pcap Touch				

Packaging and physical dimensions	
Parameter	**Data**
Dimensions	93.0(width) ×70.0(height) ×13.7(thickness without TP) / 14.9(thickness with TP) mm
Net weight of single piece	TBD
Weight of whole case	TBD
Packing box size	TBD

Packing specification	100 pieces /box

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