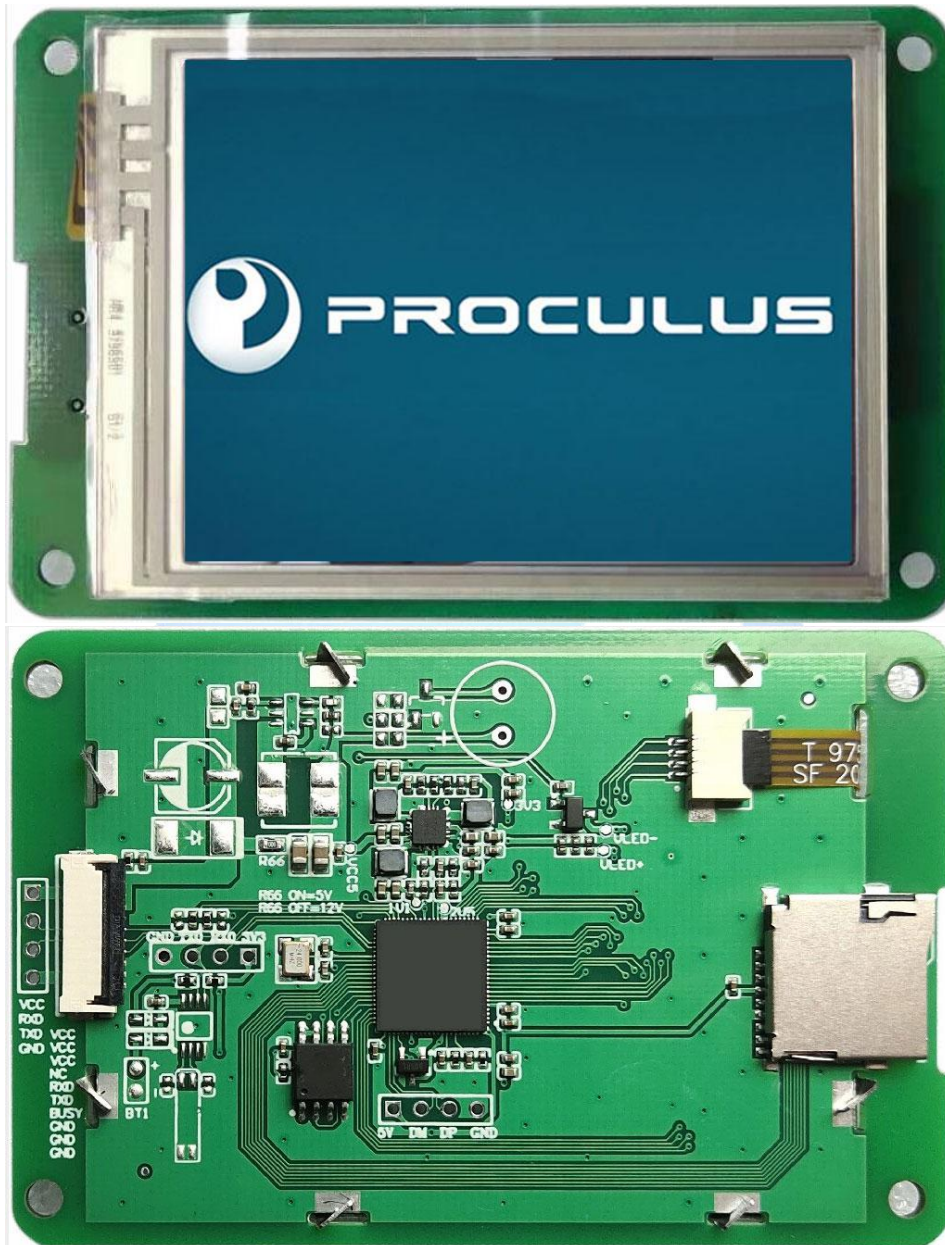


P32240J28L_X01

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

2.8 Inches, 320xRGBx240, 65K Colors



Modification Record

Date	Content
2018/05/05	First release

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	57.6mm(width)×43.2mm(height)/69.2 mm(width)×50.0 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°C/-30~+85°C				
Voltage & Current					
Item	Condition	Min.	Typ.	Max.	Unit
Power Voltage		4.5	5.0	5.5	V
Operation Current	VIN = 5V, Backlight on	-	115	130	mA
	VIN = 5V, Backlight off	-	70	75	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	8N1, 3.3V TTL/CMOS				
Socket	10pin,1.0mm FFC/4pin, 2.54mm socket				
USB	None				
SD slot	Yes (SD/SDHC, FAT32 file format)				
Memory					
Item	Parameter	Min	Typ.	Max	Unit
Flash	Space of Font	-	8	-	MB
	Picture Storage	-	7.5	--	MB
	User’ s Storage	0	-	15.5	MB
Peripherals					
RTC	Yes				
Resistive touch screen	Yes				
SD Card	Yes				
Model number					
P32240J28L_N01	No Touch				
P32240J28L_T01	Resistive Touch				
P32240J28L_P01	Pcap Touch				
Packaging and physical dimensions					
Parameter	Data				
Dimensions	85.2(width)×55.6(height) ×7.5(thickness without TP) / 8.6(thickness with TP) mm				
Net weight of single piece	TBD				
Weight of whole case	TBD				
Packing box size	405×395×210mm				
Packing specification	60 pieces /box				

2. 未注公差±0.3;

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	BSY	OUT	串口缓冲器输出信号指示
6	TXD	OUT	TTL 数据输出
5	RXD	IN	TTL 数据输入
8, 9, 10	GND	P	电源地(GND)
4	NC	-	未定义/Not defined

