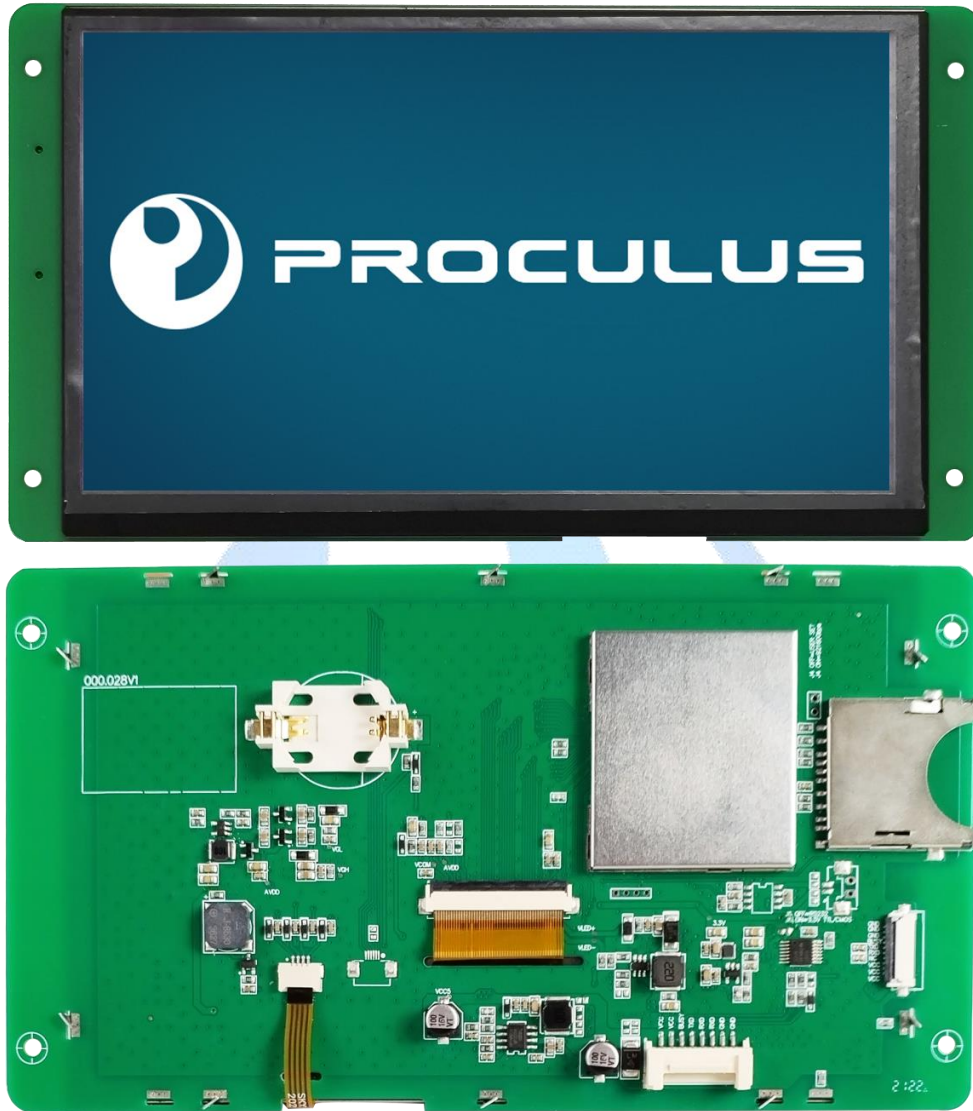


P80480J70C_X01

7.0 Inches, 800xRGBx480, 65K Colors



Modification Record

Date	Content
2016/09/05	First release
2024/09/25	Update images, update parameters

Features

- Support RS232、 TTL/CMOS, the max baud rate is 921600bps
- Supports audio output in a 128's WAV format
- Support JPG decoding which makes storage more efficient and display quicker
- Support offline batch download through SD-Card, 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, QR code display;
- 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	64K (65536) colors, 16 bit color 5R6G5B
Panel Type	TN, TFT-LCD
Resolution	800*480, 90° rotated display (480*800)
Active area (WxH)	154.1mm(W) x 85.9mm(H)
Brightness	300 nit Without touch
	250 nit With the touch
Life Time	30000H
Backlight Type	LED ≥ 10000H
≥ 10000H (Continuous working with maximum brightness, time of brightness halves)	

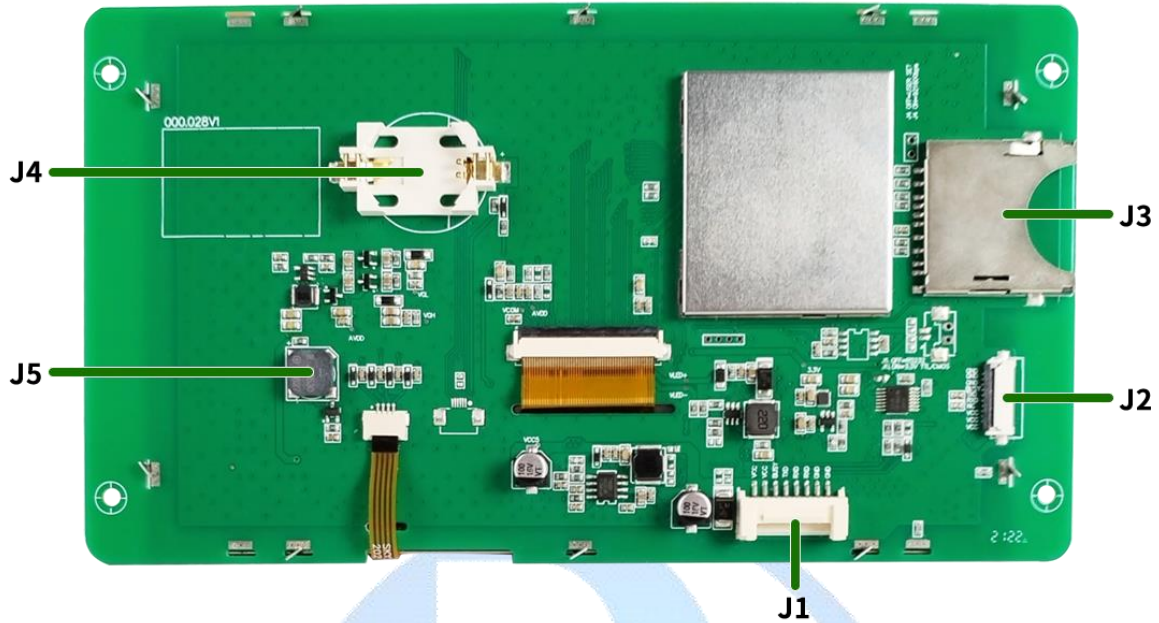
Note: If the high contrast static display exceeds 30 minutes or more may cause LCD screen residual, it is recommended to increase the screensaver to avoid this problem.

Voltage & Current					
Item	Min.	Typ.	Max.	Unit	Notes
Power Voltage	-	12	-	V	-
VCC=+12V, Backlight on	-	210	-	mA	-
	-	-	-	W	-
VCC=+12V, Backlight off	-	65	-	mA	-
	-	-	-	W	-
Output 1, I _{out} =1mA	3.0	3.3	—	V	-
Output 0, I _{out} =-1mA	—	0	0.3	V	-
Input 1, I _{in} =1mA	2.4	3.3	5.0	V	
Input 0, I _{in} =-1mA	0	—	0.5	V	
Interface					
Item	Condition	Min.	Typ.	Max.	Unit
Baud Rate	Standard	1200	—	921600	bps
Mode	Mode:8N1,J6 ON=+3.3V TTL/CMOS;OFF=RS232;				
Peripherals					
Socket	HY2.0-8Pin/10Pin FPC 1.0mm				
Buzzer	YES				
RTC	YES. CR2032 battery holder and 3.3V external battery connector.				
Memory	128MB (total). Expandable via SD Card (FAT32) up to 32 GB.				
Slot	Yes (SD/SDHC, FAT32, 4096)				
Other Info					
Working Temperature	-20°C~70°C				

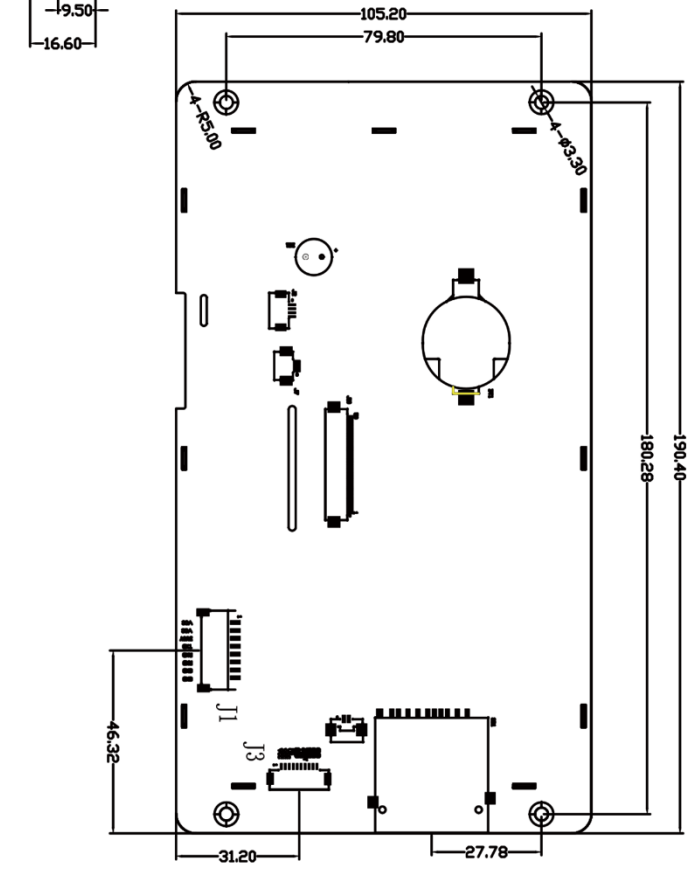
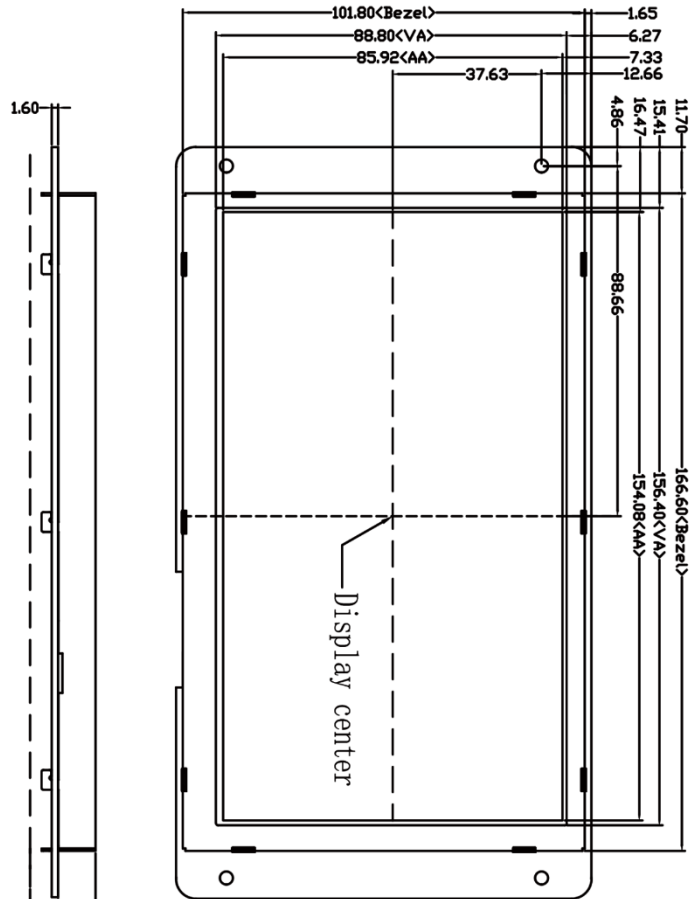
Storage Temperature	-30°C~85°C
Certification & Levels	IEC4、CE、RoHS



Interface Description



Item	Description
1	HY2.0-8Pin VCC,VCC,BUSY,TXD,RXD,RXD,GND,GND
2	10Pin FPC 1.0mm GND,GND,GND,BUSY,TXD,RXD,NC,VCC,VCC,VCC
3	SD Card Connector
4	RTC external battery connector
5	Buzzer



- 1. Location hole is used as position reference
 - 2. Unmarked Tolerance is +/-0.3mm
- Active area is marked in Dash lines

Part No.	P80480J70C_X01				 PROCLUS TECHNOLOGIES INS.
Datasheet	A4	Drawn by	Proclus	Date	
Proportion	1:1	Verified by		Date	
Unit	mm	Confirmed by		Date	

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