

P48270J43T_B

4.3 Inches, 480xRGBx272, 65K Colors



Modification Record

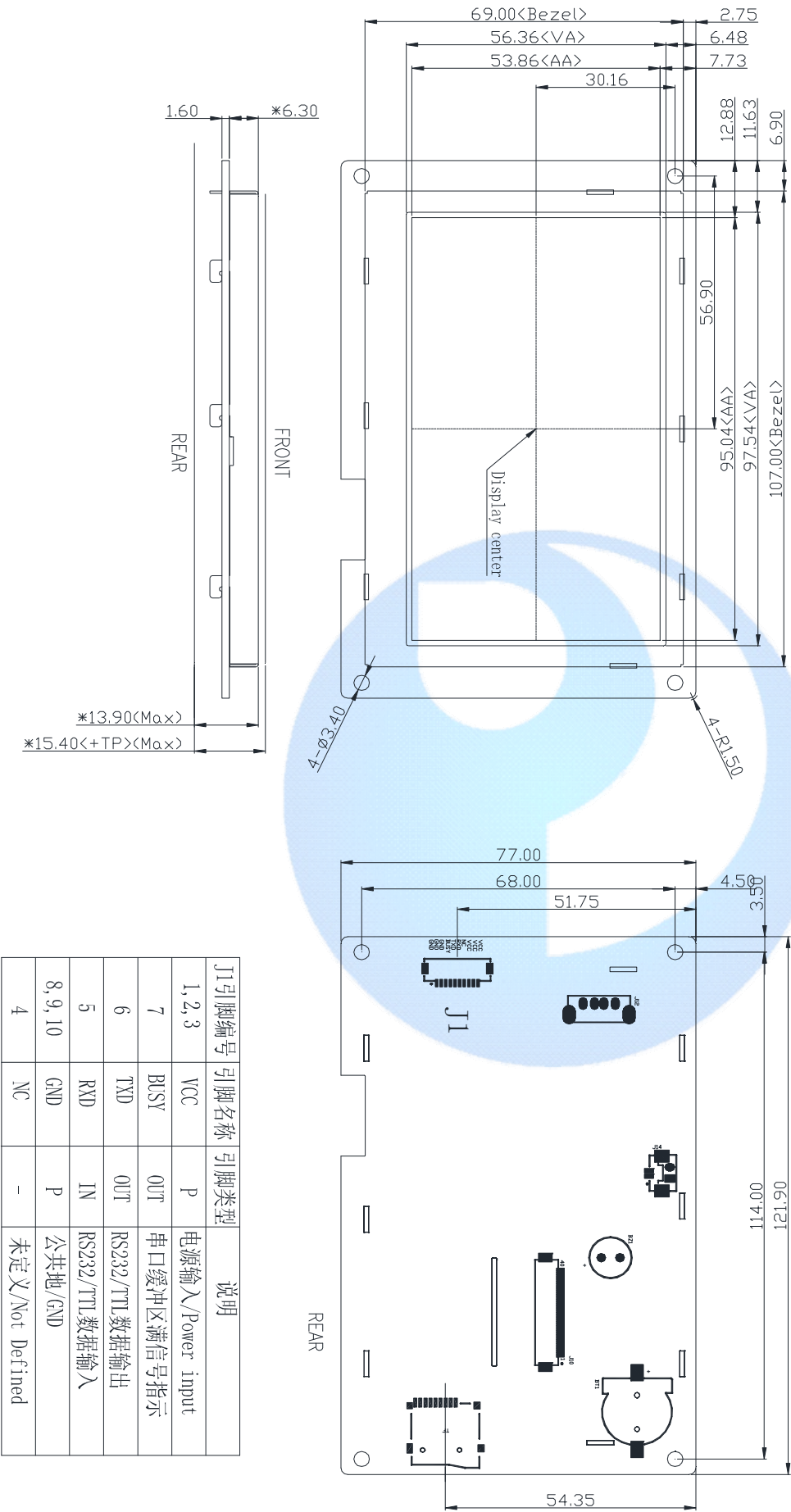
Date	Content
2017/07/15	First release

Features

- Support wide range of power supply;
- 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				
View Area	97.5mm(width)×56.4mm(height)				
Resolution	480*272, 90° rotated display (272*480)				
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		—	12	28	V
Operation Current	VIN = 12V, Backlight on	—	200	—	mA
	VIN = 12V, Backlight off	—	120	—	
Recommended Power Supply: 5V 1A DC					
Reliability Test					
Item	Condition	Min.	Typ.	Max.	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	oC
Storage Temperature	-	-30	25	85	oC
Working Humidity	25oC	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				
Packaging and physical dimensions					
Parameter	Data				
Net weight of single piece	130g				
Weight of whole case	TBD				
Packing box size	TBD				
Packing specification	100 pieces /box				



Instruction for installation

Step1: Embed the HMI into the hole cut



Step2: Place the buckle into the mounting hole as marked. There are 4 mounting holes in total. 4 buckles are needed for installation(2 on the front and 2 on the back);



Step3: Tighten the screw on the clip and fix the HMI to the device.

