



DMT80480T070_31W

7.0 Inches, 800xRGBx480, 16.7M Colors, Android LCM



Record of Revision

Revise Date	Content
2014-04-29	First Edition

● Display

Item	Parameter	Description
Color	16.7M (16777216) colors	24-bit color 8R8G8B
Active Area (A.A.)	154.1mm (W) x85.9mm (H)	800x480
View Area (V.A.)	154.7mm (W) x86.5mm (H)	800x480
Resolution	800x480	
Backlight	LED	-
Brightness	300 nit (DMT80480T070_31WN)	64 levels adjustment
	250 nit (DMT80480T070_31WT)	64 levels adjustment

● Voltage & Current

Item	Conditions	Min	Typ.	Max	Unit
Power Voltage	Voltage jumper is ON	-	5.0	-	V
	Voltage jumper is OFF(Default)	6.0	12.0	42.0	V
Operation Current	VCC = +12V, Backlight on	-	330	-	mA
	VCC = +12V, Backlight off	-	170	-	mA
Recommended power supply: 12V 1A DC					

● Reliability Test

Item	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	24	-	H

● Interface

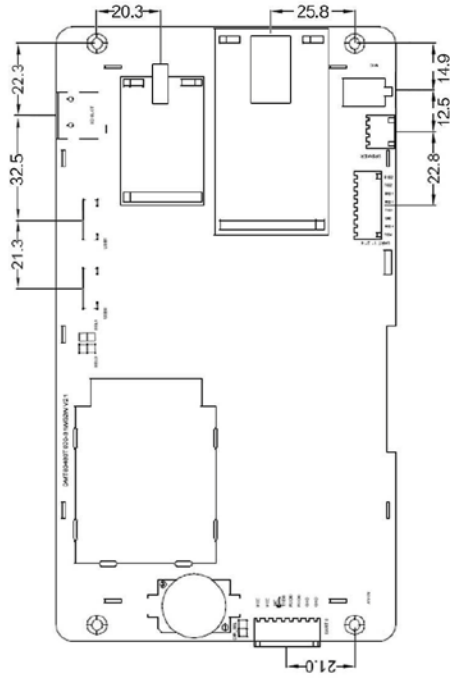
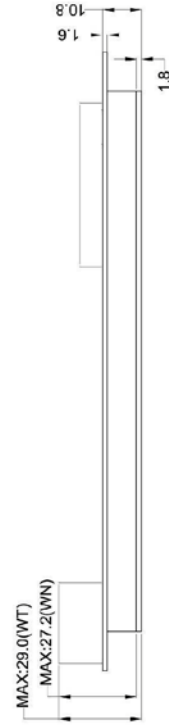
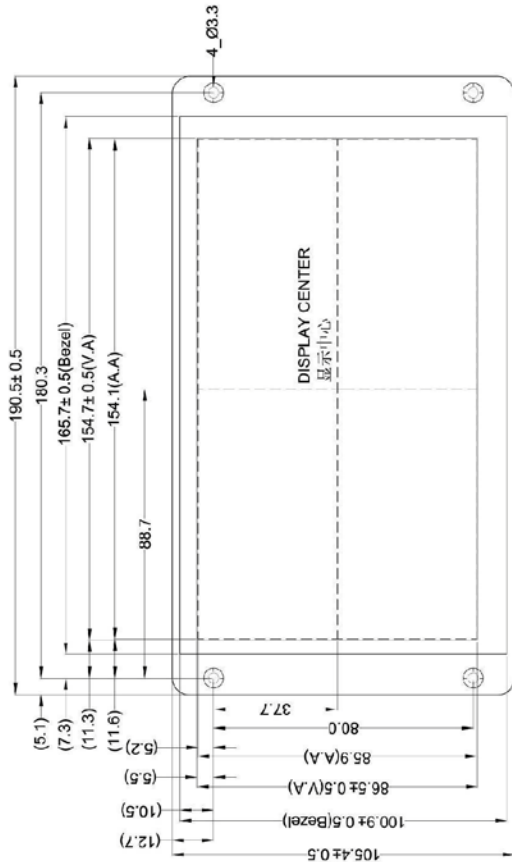
Item	Conditions	Min	Typ.	Max	Unit
Baudrate	Standard	1200	115200	921600	bps
	User define	1200	-	1000000	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD, I/O)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	V
Interface	Mode is determined by Jumper: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	8Pin_2.54mm				
USB	Yes (USB2.0, FAT32 file format)				
SD slot	Yes (FAT32 file format)				

● Peripherals

Peripherals Acquired	
Peripherals	DMT80480T070_31WN : WIFI, Ethernet DMT80480T070_31WT : Resistive touch screen, WIFI, Ethernet

● Packing Capacity & Dimension

Dimension				
Dimension	190.5 (W) x 105.4 (H) x 27.2 (N) / 29.0(T)mm			
Net Weight	300g (DMT80480T070_31WN)			
	360g (DMT80480T070_31WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)x160mm(W)x47mm(H)	-	-	-
Carton2	250mm(L)x200mm(W)x80mm(H)	2	1	2
Carton3	320mm(L)x270mm(W)x80mm(H)	2	2	4
Carton4	450mm(L)x350mm(W)x300mm(H)	1	10	10
Carton5	600mm(L)x450mm(W)x300mm(H)	1	20	20



- 1.尺寸定位基准为定位孔。
Location hole is used as Drawing Reference.
- 2.未标注公差为±0.3mm。
General Tolerance is ±0.3mm.
- 3.虚线标注为有效显示区域。
Active Area (A.A.) is marked in dash lines.

引脚名称	引脚编号	引脚类型	串口的说明
VCC	1,2	P	电源输入/Power Input
NC	3	-	未定义/Not Defined
TXD0	4	OUT	迪文屏串口输出/OUT
RXD0	5,6	IN	迪文屏串口输入/DIN
GND	7,8	P	公共地/DND

引脚名称	引脚编号	引脚类型	串口的说明
TXD4	1	OUT	迪文屏串口输出/OUT
RXD4	2	IN	迪文屏串口输入/DIN
GND	3	P	公共地/DND
TXD1	4	OUT	迪文屏串口输出/OUT
RXD1	5,6	IN	迪文屏串口输入/DIN
TXD2	7	OUT	迪文屏串口输出/OUT
RXD2	8	IN	迪文屏串口输入/DIN

型号		DMT80480T070_31W			
图纸	A4	绘图	DWIN	日期	
比例	1:1	审核		日期	
单位	mm	批准		日期	



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