

DMT80480L070_02WN DMT80480L070_02WT

7.0 Inches, 800xRGBx480, 65K Colors, DGUS LCM



Record of Revision

Revise Date	Content
2017-12-25	First Edition
2018-03-09	Update SD slot and Socket position
2018-06-05	Add instructions about brightness adjusting
2018-06-09	Modify instructions about power voltage
2018-08-29	Add shield and update the physical map
2018-09-03	Update the size diagram
2018-11-20	Update Pictures
2019-12-9	Modify Power Voltage

● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	153.8mm (W) ×85.6mm (H)	800x480
Resolution	800x480	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥10000H (Continuous working with maximum brightness, time of brightness halves)
Brightness	300 nit (DMT80480L070_02WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	250 nit (DMT80480L070_02WT)	
Notice: Displaying a high contrast still screen for more than 30 minutes may result in an image blurring.Please add the screensaver to avoid .		

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6.0	12.0	36.0	V
Operation Current	VCC = +12V, Backlight on	-	250	-	mA
	VCC = +12V, Backlight off	-	100	-	mA
Recommended power supply: 12V 1A DC					
After the product is powered on,the power input should be over 4.9V,otherwise the product may not work properly.					

● 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	-	-

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	User Set	7841	115200	7833600	bps
Output Voltage (TXD)	Output 1, Iout = 8mA	3.94	-	5.0	V
	Output 0, Iout = -8mA	-	0	0.3	V
Input Voltage (RXD)	Input 1	2.7	3.3	-	V
	Input 0	0	-	1.5	V
Interface	Mode is determined by Jumper: ON = 8N1, 5.0V CMOS; OFF = 8N1, RS232				
Socket	8Pin_2.0mm Socket				
USB	None				
SD Slot	YES(SDHC/FAT32 Format)				

● Memory

Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font/Audio Files	-	-	128	Mbytes
	Picture Storage	-	-	124	Pcs

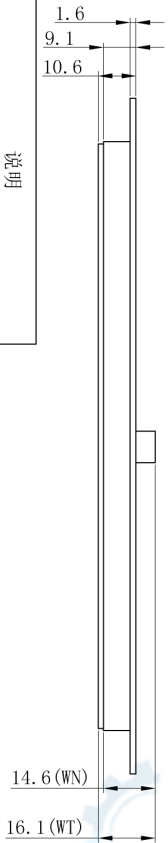
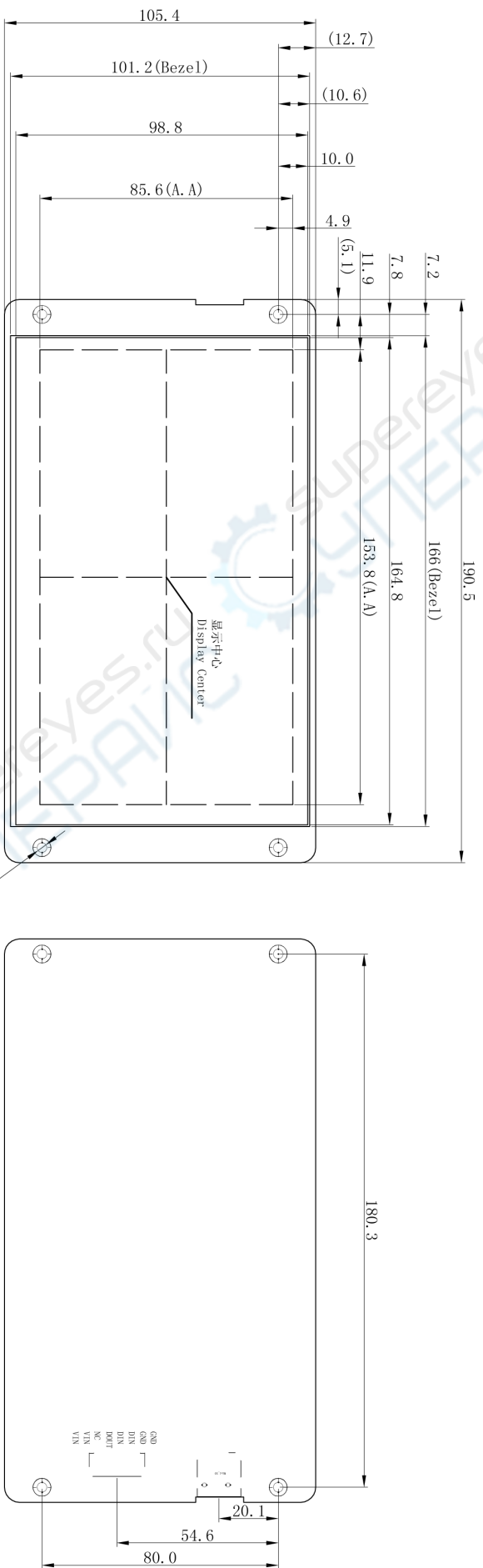
● UI & Peripheral

UI & Peripheral	
UI Version	Simplified Version DGUS:T5UIC3
Peripheral	DMT80480L070_02WN : Buzzer DMT80480L070_02WT : 4-wire resistive touchscreen,Buzzer

● Packing Capacity & Dimension

Dimension				
Dimension	190.5(W) × 105.4(H) × 14.6(N) / 16.1(T)mm			
Net Weight	260g (DMT80480L070_02WN)			
	320g (DMT80480L070_02WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	-	-	-
Carton2	250mm(L)×200mm(W)×80mm(H)	2	1	2
Carton3	320mm(L)×270mm(W)×80mm(H)	2	2	4
Carton4	450mm(L)×350mm(W)×300mm(H)	1	10	10
Carton5	600mm(L)×450mm(W)×300mm(H)	1	20	20

Remark:There is no extra-notice if the product design changes that do not affect performance parameters and use



引脚名称	引脚定义	引脚类型	说明
VIN	1, 2	P	电源输入/Power Input
NC	3	输出	判别/BUSY
DOUT	4	0	迪文屏串口输出, 3.3V 232/COMS TYD(3.3V 232/COMS)
DIN	5, 6	1	迪文屏串口输入, 3.3V 232/COMS DIN(3.3V 232/COMS)
GND	7, 8	P	公共地/GND

1. 尺寸定位基准为定位孔
Location hole is used as position reference.
2. 未标注公差为 $\pm 0.3\text{mm}$
Unmarked Tolerance is $\pm 0.3\text{mm}$.
注: 虚线标注为有效显示区域
Active area is marked in Dash lines.

型号	DMT80480L070_02WN			北京迪文科技 Beijing DMW Technology Co., Ltd.
图纸	A4	绘图	DWIN	
比例		审核	日期	
单位	mm	批准	日期	