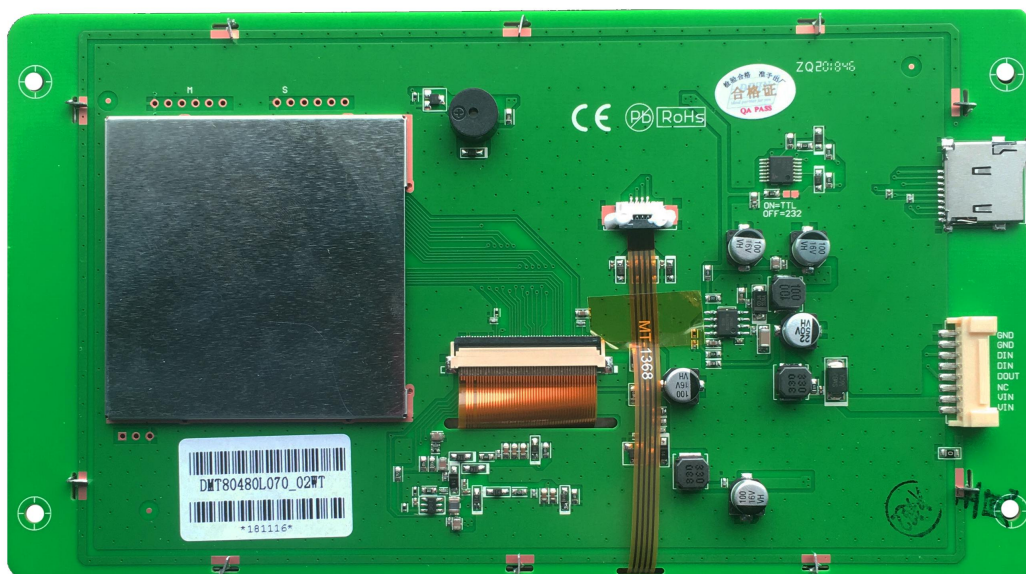


DMT80480L070_02WN

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

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	-	5.0	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

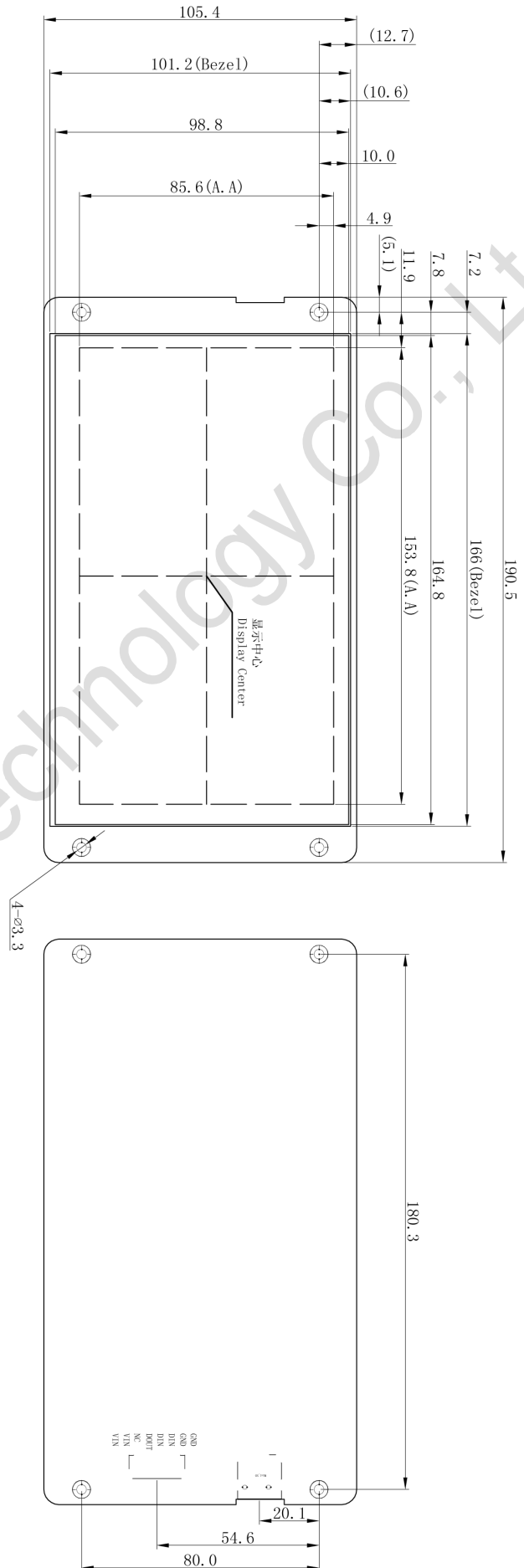
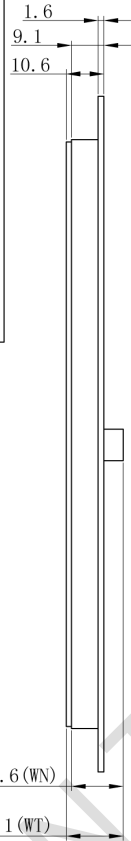
UI & Peripheral	
UI Version	Simplified Version DGUS:T5UIC3
Peripheral	DMT80480L070_02WN : Buzzer DMT80480L070_02WT : 4-wire resistive touchscreen,Buzzer

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	判忙/BUSY
DOUT	4	0	迪文串口输出, 3.3V 232/COMS TXD(3.3V 232/COMS)
DIN	5, 6	1	迪文串口输入, 3.3V 232/COMS DIN(3.3V 232/COMS)
GND	7, 8	P	公共地/GND



- 尺寸定位基准为定位孔
Location hole is used as position reference.
- 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 DWIN Technology Co., Ltd.			
图纸	A4	绘图	DWIN	日期				
比例		审核		日期				
单位	mm	批准		日期				