

DMT80480S070_04WT

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



Record of Revision

Revise Date	Content
2016-03-23	First Edition

● Display

Item	Parameter	Description
Color	65K (65536) colors	16-bit color 5R6G5B
Active Area (A.A.)	154.1mm (W) ×85.9mm (H)	800×480
View Area (V.A.)	155.1mm (W) ×86.9mm (H)	800×480
Resolution	800×480	90° rotated display (480×800)
Backlight	LED	-
Brightness	900 nit	64 levels adjustment

● Voltage & Current

Item	Conditions	Min	Typ.	Max	Unit
Power Voltage		6.0	12.0	40.0	V
Operation Current	VCC = +12V, Backlight on	-	400	-	mA
	VCC = +12V, Backlight off	-	220	-	mA

Recommended power supply: 12V 1A DC

● Reliability Test

Item	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 12V voltage	-40	25	85	°C
Storage Temperature	-	-40	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	YES	-	-
Aging Test	-	-	72	-	H
ESD	CONTACT	-	-	12	KV

● Interface

Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	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	RS232; RS485				
Socket	8Pin_2.00mm with lock catch				
USB	None				
SD slot	Yes (SD/SDHC, FAT32 file format)				

● Memory

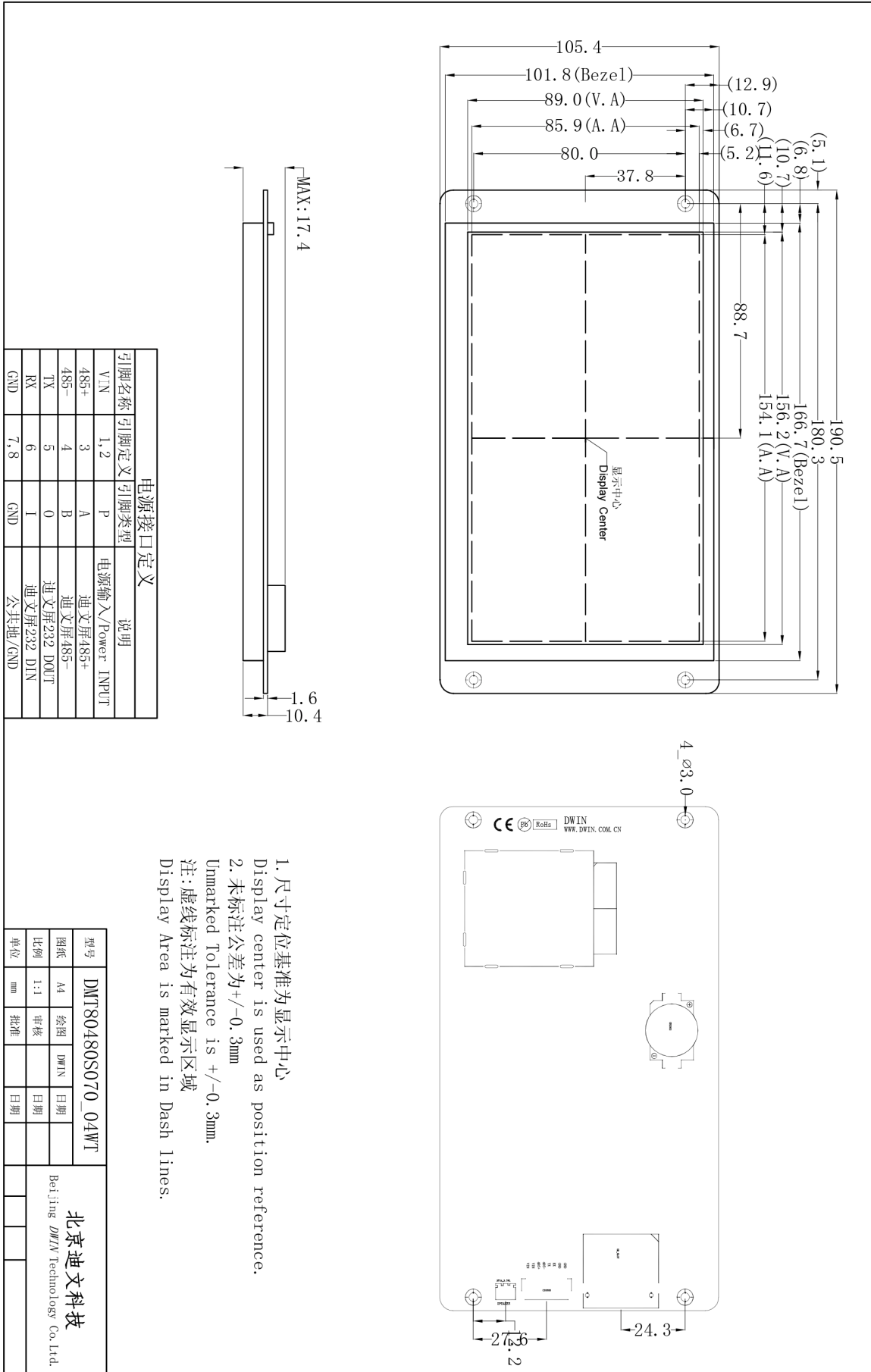
Item	Parameter	Min	Typ.	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	278	Pcs
	Picture Storage (2GB)	-	-	2528	Pcs
RAM	Variable Storage Space	-	56	-	KB

● Peripherals

Peripherals Acquired	
Peripherals	4-wire resistance touchscreen, RTC, Buzzer, SPEAKER

● Packing Capacity & Dimension

Dimension				
Dimension	190.5 (W) × 105.4 (H) × 16.9 (T)mm			
Net Weight	320g			
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



1. 尺寸定位基准为显示中心
Display center 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
Display Area is marked in Dash lines.

型号	图纸	比例	单位	绘图	审核	批准	日期	日期	日期
DMT80480S070_04WT	A4	1:1	mm	DWIN					

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