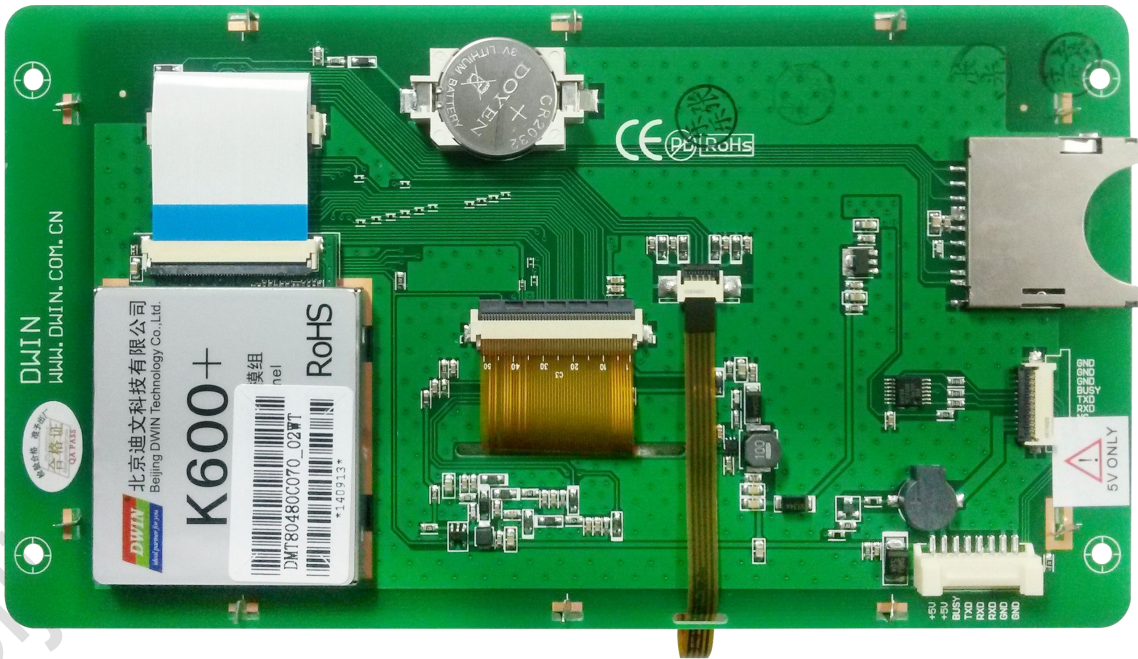


DMT80480C070_02W

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



Record of Revision

Revise Date	Content
2012-02-01	First Edition
2013-09-30	Add 8Pin with lock catch
2014-06-12	Minimum operating voltage modified

● 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.)	156.9mm (W) ×89.0mm (H)	800*480
Resolution	800 x 480	90° rotated display (480x800)
Backlight	LED	-
Brightness	250 nit (DMT80480C070_02WN)	64 levels adjustment
	200 nit (DMT80480C070_02WT)	64 levels adjustment

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	3.6	5.0	6.0	V
Operation Current	VCC = +5V, Backlight on	-	600	-	mA
	VCC = +5V, Backlight off	-	250	-	mA

Recommended power supply: 5V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	60	°C
Storage Temperature	-	-30	25	70	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	None	-	H

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	Standard	1200	115200	921600	bps
	User set	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/O0)	Input 1, Iin = 1mA	2.0	3.3	5.0	V
	Input 0, Iin = -1mA	-0.7	0.0	1.3	V
Interface	8N1, 3.3V TTL/CMOS				
Socket	10Pin_1.0mm FCC, 8Pin_2.00mm with lock catch				
USB	None				
SD Slot	Yes (SD/SDHC, FAT32 file format)				

● Memory

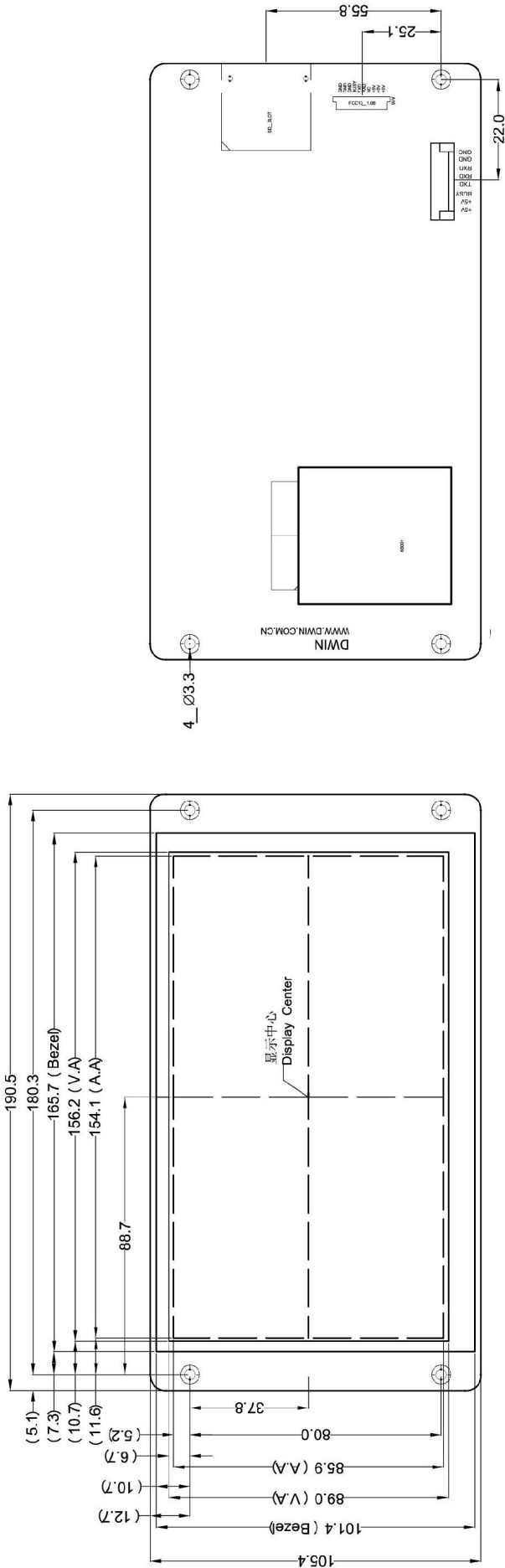
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	278	Pcs
	Picture Storage (2GB)	-	-	2528	Pcs
RAM	Variable Storage Space	-	56	-	KB

● Peripherals

Peripheral Acquired	
Peripherals	DMT80480C070_02WN : RTC DMT80480C070_02WT : 4-wire resistance touchscreen, RTC, Buzzer

● Packing Capacity & Dimension

Dimension				
Dimension	190.4 (W) × 105.2 (H) × 15.9 (N) / 17.4 (T)mm			
Net Weight	270g (DMT80480C070_02WN)			
	320g (DMT80480C070_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



注:

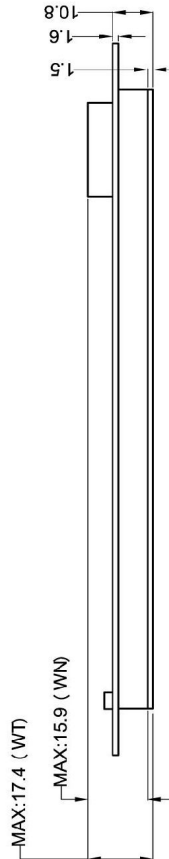
1. 尺寸定位基准为定位孔

Location hole is used as position reference

2. 未标注公差为 $\pm 0.3\text{mm}$

Unmarked Tolerance is $\pm 0.3\text{mm}$

3. 虚线为显示区域 / Active area is marked in dashes.



引脚名称	引脚编号	引脚类型	说明
VCC	1,2,3	P	电源输入 / Power Input
NC	4	-	未定义 / Not Defined
RXD	5	IN	迪文屏串口输入, 3.3V TTL/CMOS DIN (3.3V TTL/CMOS)
TXD	6	OUT	迪文屏串口输出, 3.3V TTL/CMOS DOU (3.3V TTL/CMOS)
BUSY	7	-	未定义 / Not Defined
GND	8,9,10	P	公共地 / GND

型号	DMT80480C070_02W		
图纸	A4	绘图	DWIN
比例	1:1	审核	日期
单位	mm	批准	日期

北京迪文科技有限公司
Beijing DWIN Technology Co., Ltd.

