

# DMT80600C080\_02W

8.0 Inches, 800xRGBx600, 65K Colors, DGUS LCM



## Record of Revision

Revise Date	Content
2011-11-01	First Edition
2013-05-20	Change RTC battery to CR2032. Add a buzzer
2013-09-18	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.)	162.0mm (W) x121.5mm (H)	800*600
View Area (V.A.)	164.8mm (W) x124.3mm (H)	800*600
Resolution	800 x 600	90° rotated display (600 x 800)
Backlight	LED	-
Brightness	250 nit (DMT80600C080_02WN)	64 levels adjustment
	200 nit (DMT80600C080_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	-	750	-	mA
	VCC = +5V, Backlight off	-	300	-	mA

Recommended power supply: 5V 1.5A DC

## ● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	85	°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/O)	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

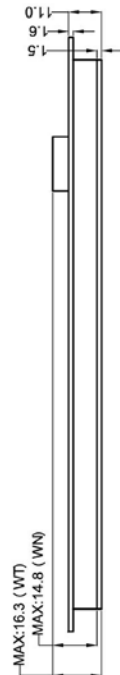
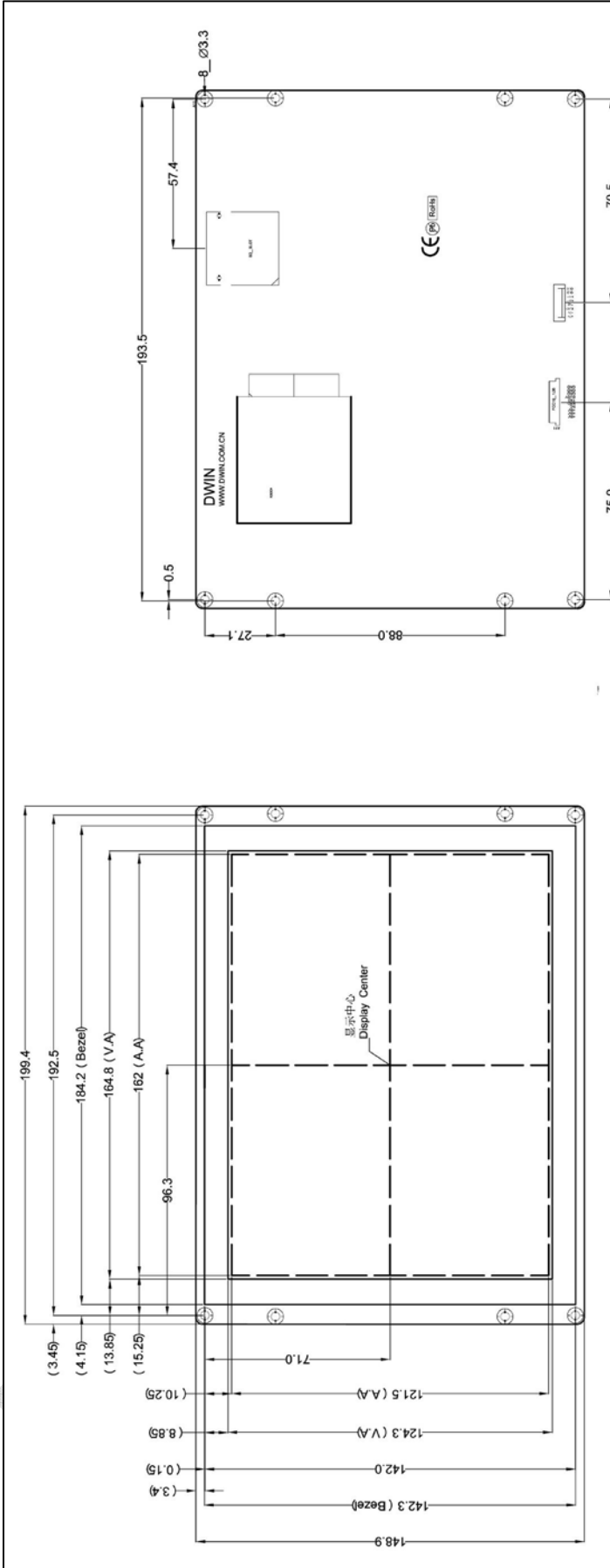
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	209	Pcs
	Picture Storage (2GB)	-	-	1896	Pcs
RAM	Variable Storage Space	-	56	-	KB

## ● Peripherals

Peripherals Acquired	
Peripherals	DMT80600C080_02WN : RTC, Buzzer. DMT80600C080_02WT : 4-wire resistive touchscreen, RTC,Buzzer.

## ● Packing Capacity & Dimension

Dimension				
Dimension	199.4 (W) x 148.9 (H) x 14.8 (N) / 16.3 (T)mm			
Net Weight	390g (DMT80600C080_02WN)			
	500g (DMT80600C080_02WT)			
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)	-	-	-
Carton4	450mm(L)x350mm(W)x300mm(H)	1	10	10
Carton5	600mm(L)x450mm(W)x300mm(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		DMT80600C080_02W		
图纸	A4	绘图	DWIN	日期
比例	1:1	审核		日期
单位	mm	批准		日期

