

# DMT48270C043\_03W

4.3 Inches, 480xRGBx272, 65K Colors, DGUS LCM



### Record of Revision

Revise Date	Content
2012-08-01	First Edition

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	95.0mm (W) x53.9mm (H)	480*272
View Area (V.A.)	96.0mm (W) x54.9mm (H)	480*272
Resolution	480*272	90° rotated display (272*480)
Backlight	LED	-
Brightness	300 nit (DMT48270C043_03WN)	64 levels adjustment
	250 nit (DMT48270C043_03WT)	64 levels adjustment

## ● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	3.3	5.0	6.0	V
Operation Current	VCC = +5V, Backlight on	-	360	-	mA
	VCC = +5V, Backlight off	-	180	-	mA

Recommended power supply: 5V 1A 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	1.3	V
Interface	8N1, 3.3V TTL/CMOS				
Socket	10Pin_1.0mm FCC				
USB	None				
SD Slot	Yes (FAT32 file format, Micro SD/TF)				

## ● Memory

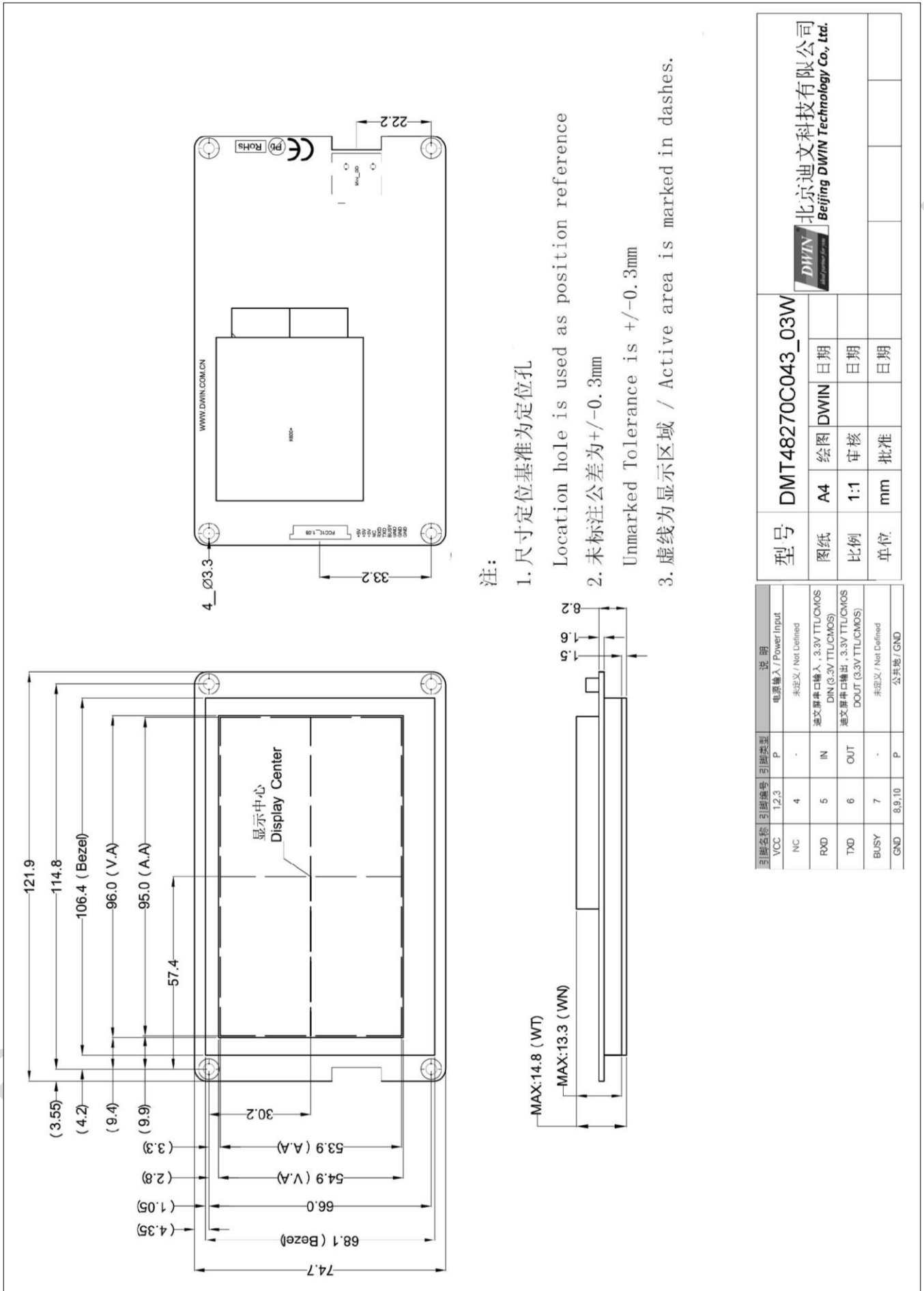
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	836	Pcs
	Picture Storage (2GB)	-	-	7584	Pcs
RAM	Variable Storage Space	-	56	-	KB

## ● Peripherals

Peripherals Acquired	
Peripherals	DMT48270C043_03WN : RTC, Buzzer DMT48270C043_03WT : 4-wire resistance touchscreen, RTC, Buzzer

## ● Packing Capacity & Dimension

Dimension				
Dimension	121.9(W) x74.7(H) x13.3(N) /14.8(T)mm			
Net Weight	105g (DMT48270C043_03WN)			
	125g (DMT48270C043_03WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)x160mm(W)x47mm(H)	1	2	2
Carton2	250mm(L)x200mm(W)x80mm(H)	2	2	4
Carton3	320mm(L)x270mm(W)x80mm(H)	2	4	8
Carton4	450mm(L)x350mm(W)x300mm(H)	2	25	50
Carton5	600mm(L)x450mm(W)x300mm(H)	2	60	120



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	迪文串口输入, 3.3V TTL/CMOS DIN (3.3V TTL/CMOS)
TXD	6	OUT	迪文串口输出, 3.3V TTL/CMOS DOOUT (3.3V TTL/CMOS)
BUSY	7	-	未定义 / Not Defined
GND	8,9,10	P	公共地 / GND

型号	DMT48270C043_03W		
图纸	A4	绘图	DWIN
比例	1:1	审核	日期
单位	mm	批准	日期

