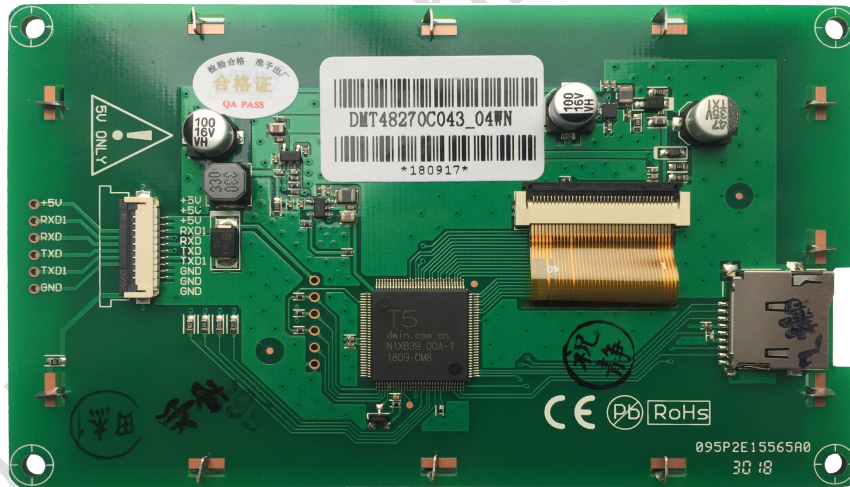


DMT48270C043_04WN

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



Record of Revision

Revise Date	Content
2018-01-04	First Edition
2018-02-27	Update the memory space of the product
2018-05-29	Add instructions about brightness adjusting
2018-08-16	Modify Interface and dimensional drawing
2018-09-19	Modify panel type description
2018-10-18	Update Pictures
2019-09-19	Modify UART1

● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	95.0mm (W) ×53.9mm (H)	480*272
View Area (V.A.)	97.9mm (W) ×56.4mm (H)	480*272
Resolution	480*272	Support 0°/90°/180°/270° rotated display
Backlight	LED	≥ 10000H (Continuous working with maximum brightness, time of brightness halves)
Brightness	300 nit	256 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a
Panel Type	Ordinary viewing angle (TN) TFT screen	View Angle: 70° /70° /70° /30° (L/R/U/D)

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	-	4.5	5.0	5.5	V
Operation Current	VCC = +5V, Backlight on	-	220	-	mA
	VCC = +5V, Backlight off	-	100	-	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	-	-

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	User Set	7657	115200	7833600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.3	-	V
	Output 0, Iout = -1mA	-	0	0.3	V
Input Voltage (RXD)	Input 1, Iin = 1mA	2.4	3.3	5.0	V
	Input 0, Iin = -1mA	0	-	0.5	V
Interface	UART0: N81, 3.3V TTL/CMOS UART1: N81, 3.3V&5V CMOS				
Socket	10Pin_1.0mm FCC				
SD Slot	YES(FAT32 Format SDHC)				

● Memory

Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font/Audio Files	-	-	384	Mbytes
	Includes 6*12-32*64 dot array ASCII font and 16*16 dot array GB2312 Chinese character library				
	Picture Storage	-	-	16	Pcs

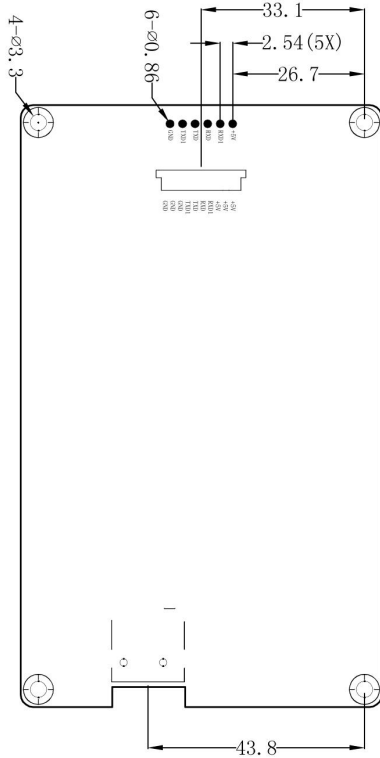
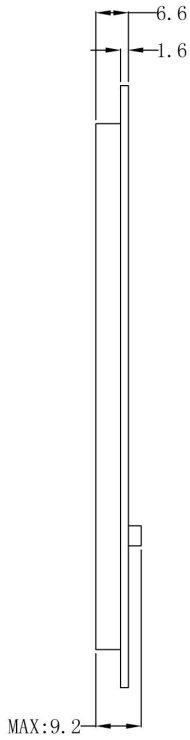
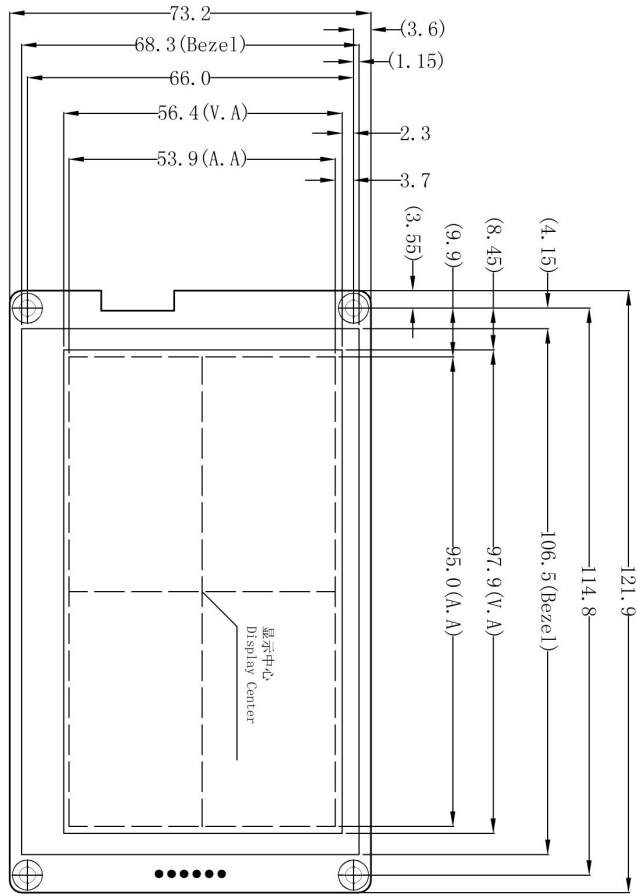
● UI & Peripheral

UI & Peripheral	
UI Version	T5UIC1

● Packing Capacity & Dimension

Dimension				
Dimension	121.9(W)×73.2(H)×9.2mm			
Net Weight	85g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	1	2	2
Carton2	250mm(L)×200mm(W)×80mm(H)	2	2	4
Carton3	320mm(L)×270mm(W)×80mm(H)	2	4	8
Carton4	450mm(L)×350mm(W)×300mm(H)	2	25	50
Carton5	600mm(L)×450mm(W)×300mm(H)	2	60	120

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
GND	1, 2, 3	P	公共接地/GND
TX1	4	0	迪文串口1输出DOUT
TXD	5	0	迪文串口0输出DOUT
RXD	6	1	迪文串口0输入DIN
RX1	7	1	迪文串口1输入DIN
+5V	8, 9, 10	P	电源输入/Power Input

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 $\pm 0.3\text{mm}$
- 注: 虚线标注为有效显示区域
Active area is marked in Dash lines

型号	DMT48270C043_04WN			
图纸	A 4	图纸	DWIN	日期
比例		审核		日期
单位	MM	批准		日期
北京迪文科技 Beijing DWIN Technology Co. Ltd				