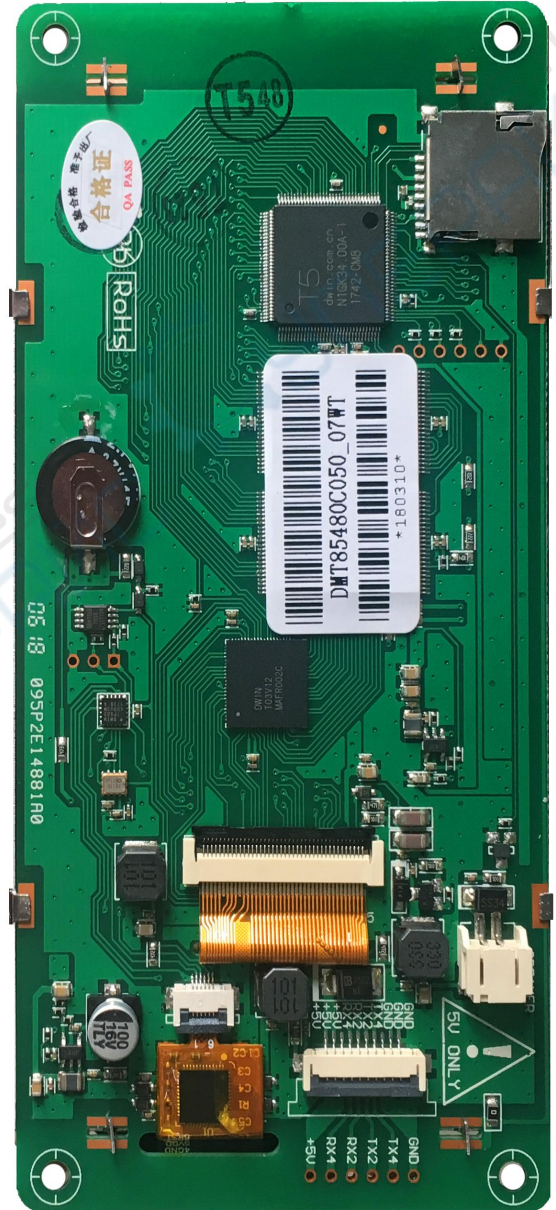


# DMT85480C050\_07WN DMT85480C050\_07WT

5.0 Inches, 480xRGBx854, 65K Colors, DGUS LCM (DGUS II)



## Record of Revision

Revise Date	Content
2018-01-29	First Edition
2018-03-22	Modify dimensional drawing
2018-05-17	Add instructions about brightness adjusting
2018-06-15	Modify dimensional drawing
2018-08-09	Modify Picture Storage
2018-09-20	Modify dimensional drawing

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	109.7mm (W) ×61.6mm (H)	480°854
Resolution	480°854	Support 0°/90°/180°/270° rotated display
Backlight	LED	≥10000H (Continuous working with maximum brightness, time of brightness halves)
Brightness	300 nit	100 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)

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	-	260	-	mA
	VCC = +5V, Backlight off	-	80	-	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	User Set	7841	115200	7833600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 8mA	3.94	3.3	-	V
	Output 0, Iout = -8mA	-	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	UART2: N81, 3.3V TTL/CMOS UART4:Optional N81/E81/O81/N82 mode, 3.3V TTL/CMOS				
Socket	10Pin_1.0mm FCC				
SD Slot	YES(FAT32 Format SDHC)				
Speaker	2Pin_2.0mm				

## ● Memory

Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font/Audio Files	-	-	64	Mbytes
	Font and audio file share the back half (32 Mbytes) of Font Space.				
	Picture Storage	-	-	184	Pcs
RAM	Variable Storage Space	-	128	-	Kbytes
Nor FLASH	User database	-	320	-	Kbytes

## ● UI & Peripheral

UI & Peripheral	
UI Version	T5UID2
Peripheral	DMT85480C050_07WN:Speaker,Built - in RTC DMT85480C050_07WT:Capacitance touchscreen, Speaker,Built - in RTC

## ● Packing Capacity & Dimension

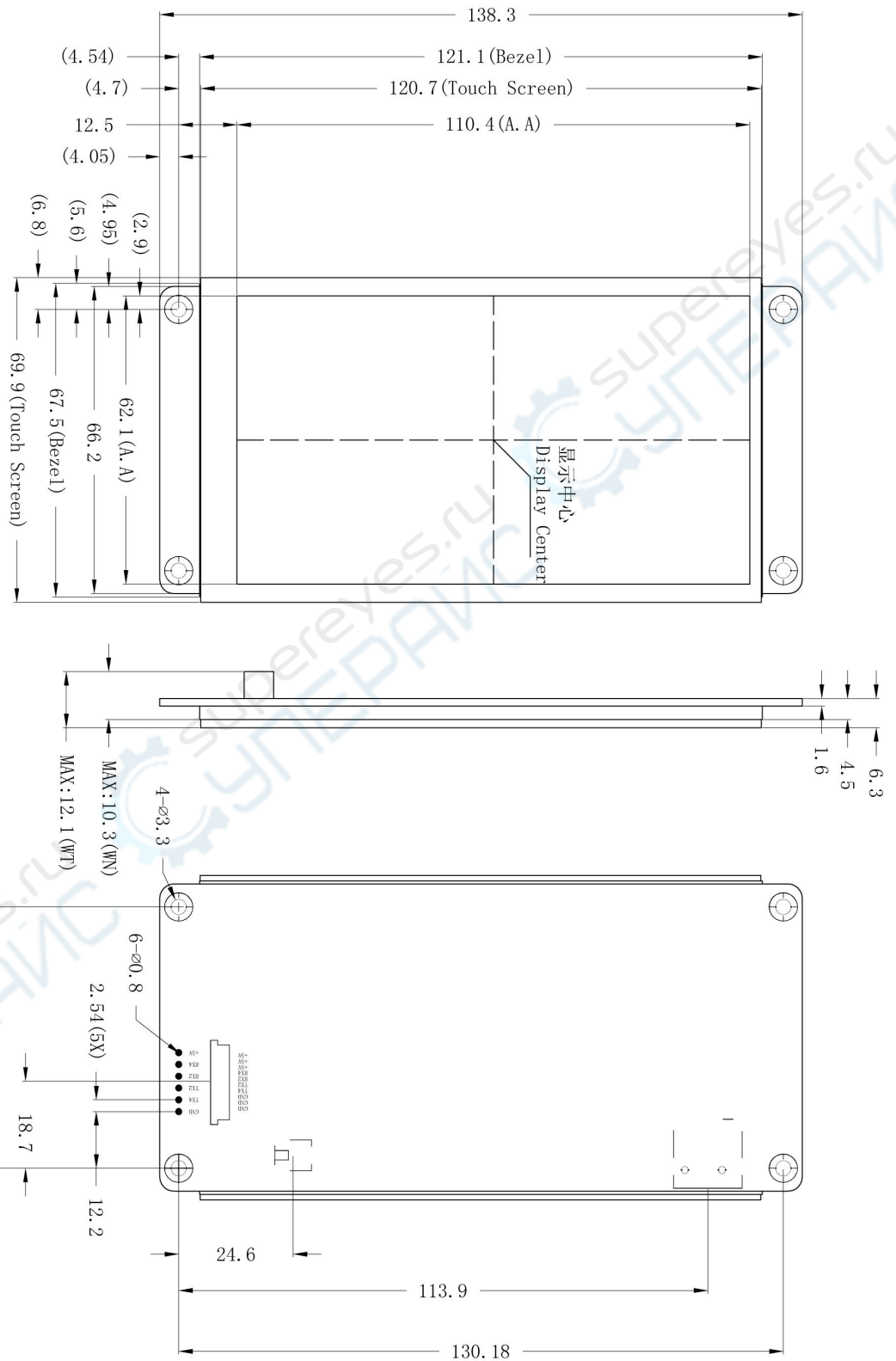
Dimension				
Dimension	138.3(W)×69.9 (H)×12.1(WT)/10.3(WN)mm			
Net Weight	75g: DMT85480C050_07WN 105g:DMT85480C050_07WT			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	1	1	1
Carton2	250mm(L)×200mm(W)×80mm(H)	2	2	4
Carton3	320mm(L)×270mm(W)×80mm(H)	2	4	8
Carton4	450mm(L)×350mm(W)×300mm(H)	-	-	-



<b>Carton5</b>	600mm(L)×450mm(W)×300mm(H)	2	50	100
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**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
+5V	1, 2, 3	P	电源输入 Power Input
RX4	4	I	迪文屏串口4输入/DIN
RX2	5	I	迪文屏串口2输入/DIN
TX2	6	O	迪文屏串口2输出/DOUT
TX4	7	O	迪文屏串口4输出/DOUT
GND	8, 9, 10	P	公共地/GND

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	DMT85480C050_07WN		北京迪文科技 Beijing DWIN Technology Co., Ltd
图纸	A 4	图纸	
比例		审核	日期
单位	MM	批准	日期