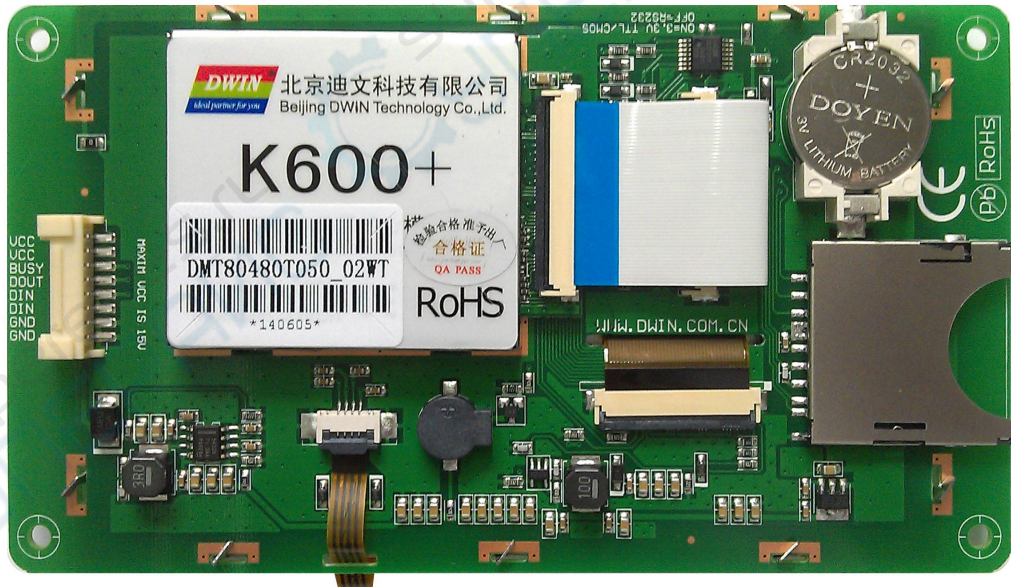


DMT80480T050_02WN DMT80480T050_02WT

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



Record of Revision

Revise Date	Content
2014-05-28	First Edition
2015-03-13	Thickness of bezel was adjusted to 6.5mm from 8.0mm
2018-05-17	Add instructions about brightness adjusting
2018-12-07	Modify dimensional drawing (Stainless steel frame dimension) and Power voltage

● Display

Item	Parameter	Description
Color	65K (65536) colors	16-bit color 5R6G5B
Active Area (A.A.)	108.0 mm (W) ×64.8mm (H)	800*480
View Area (V.A.)	110.7 mm (W) ×67.4 mm (H)	800*480
Resolution	800*480	90° rotated display (480*800)
Backlight	LED	-
Brightness	900 nit (DMT80480T050_02WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	720 nit (DMT80480T050_02WT)	
Notice:Displaying a high contrast still screen for more than 30 minutes may result in an image blurring.Please increase the screen saver .		

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6	12	15	V
Operation Current	VCC = +12V, Backlight on	-	260	-	mA
	VCC = +12V, Backlight off	-	100	-	mA

Recommended power supply: 12V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V 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
Baud Rate	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	Mode is determined by Jumper: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	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
	Picture Storage (12GB)	-	-	1242	Pcs
RAM	Variable Storage Space	-	56	-	KB

● Peripherals

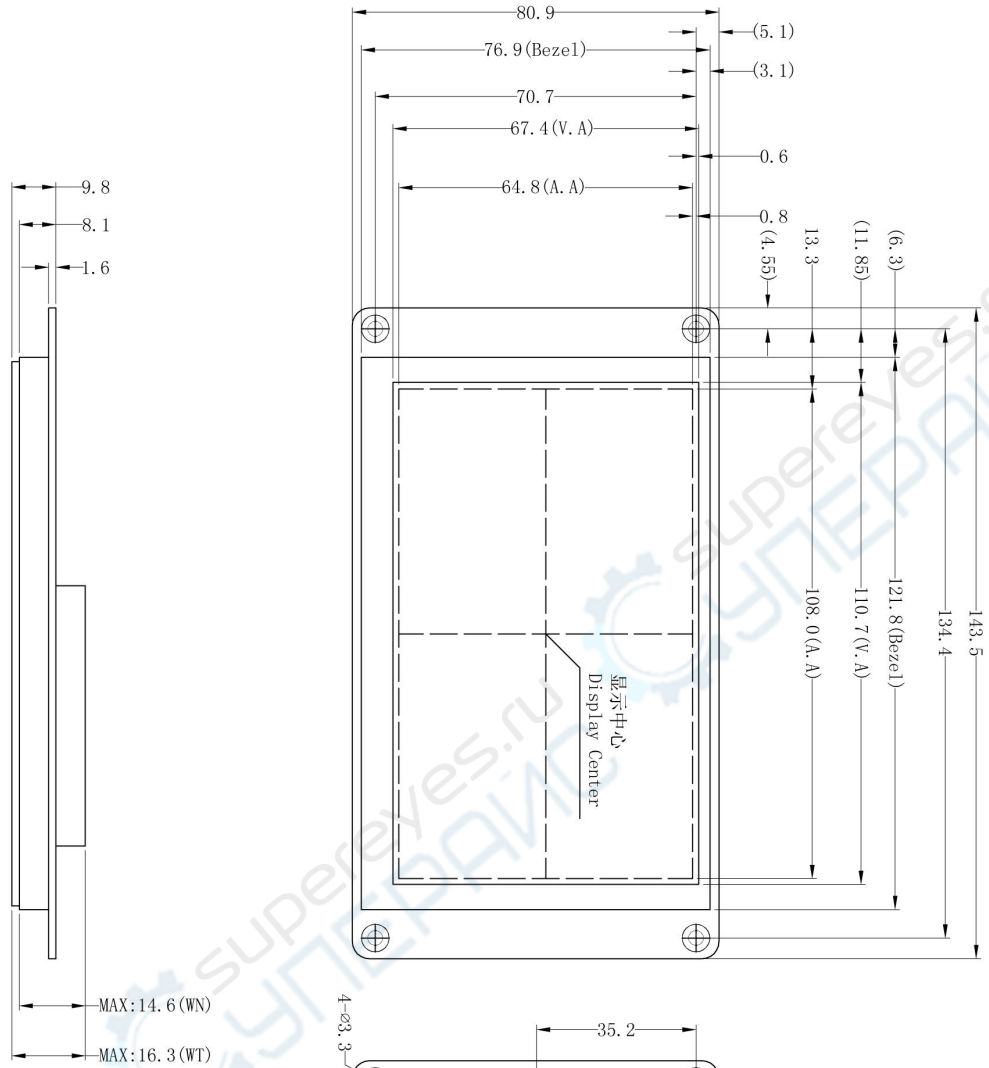
Peripherals Acquired	
Peripherals	DMT80480T050_02WN : RTC, Buzzer DMT80480T050_02WT : Resistance touchscreen, RTC, Buzzer

● Packing Capacity & Dimension

Dimension				
Dimension	143.5 (W) × 80.9 (H) × 14.6(N) / 16.3 (T)mm			
Net Weight	131g (DMT80480T050_02WN)			
	149g (DMT80480T050_02WT)			
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)	-	-	-
Carton5	600mm(L)×450mm(W)×300mm(H)	2	50	100

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	7, 8	P	公共接地/GND
DIN	5, 6	I	迪文屏串口输入DIN
DOU1	4	O	迪文屏串口输出DOU1
BUSY	3	-	未定义/Not Defined
VCC	1, 2	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	DMT80480T050_02WN	
图 纸	A 4	图 纸
比 例		审 核
单 位	MM	批 准
		日 期
		日 期
北京迪文科技 Beijing DWIN Technology Co. Ltd		