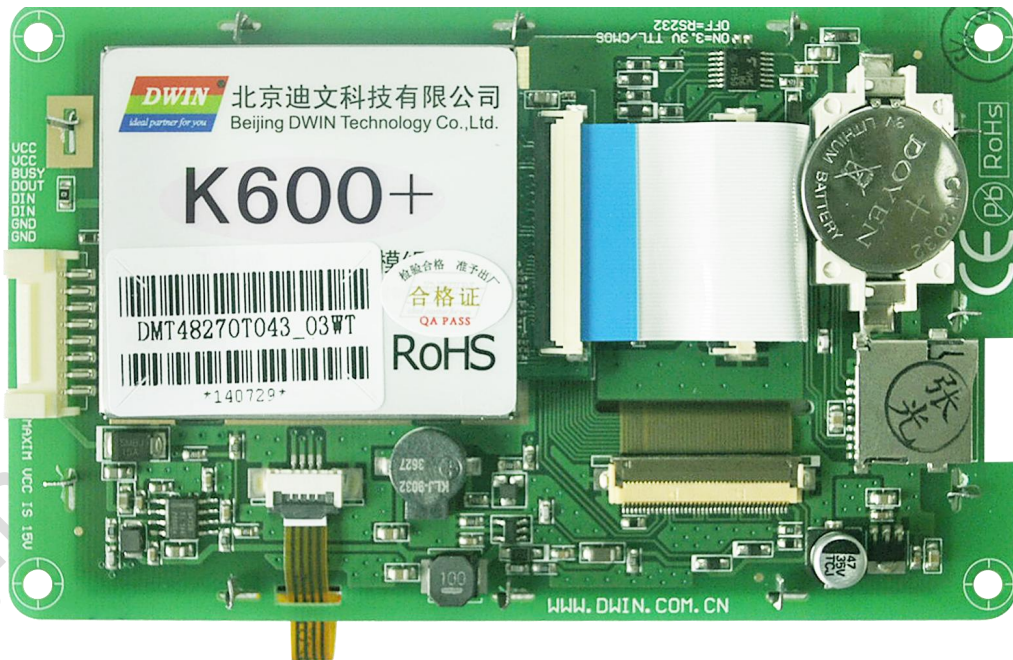


DMT48270T043_03W

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



Record of Revision

Revise Date	Content
2013-11-20	First Edition
2014-10-15	Images for appearance are updated.
2018-06-06	Add instructions about brightness adjusting
2019-12-12	Update working voltage

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.)	98.0mm (W) ×55.4mm (H)	480*272
Resolution	480*272	90° rotated display (272*480)
Backlight	LED	-
Brightness	900 nit DMT48270T043_03WN 850 nit DMT48270T043_03WT	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)

Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6.0	12.0	15.0	V
Operation Current	VCC = +12V, Backlight on	-	220	-	mA
	VCC = +12V, Backlight off	-	90	-	mA

Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-30	25	60	°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 define	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/O0)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	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

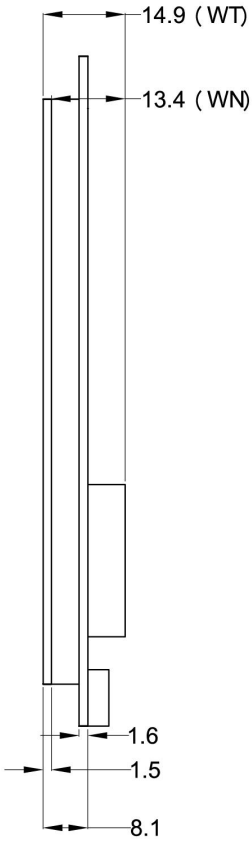
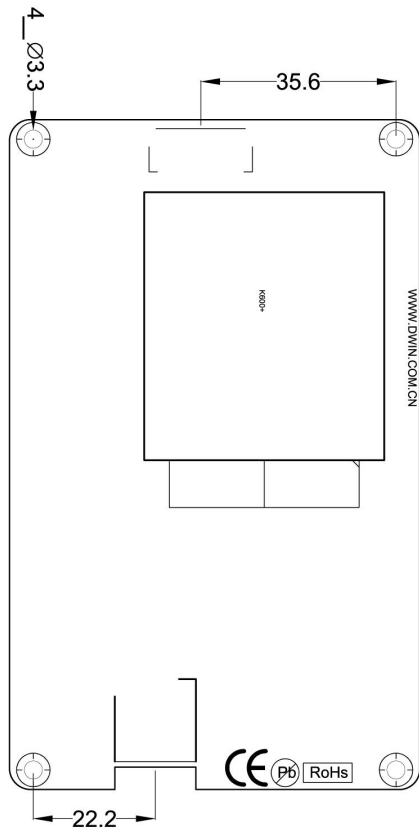
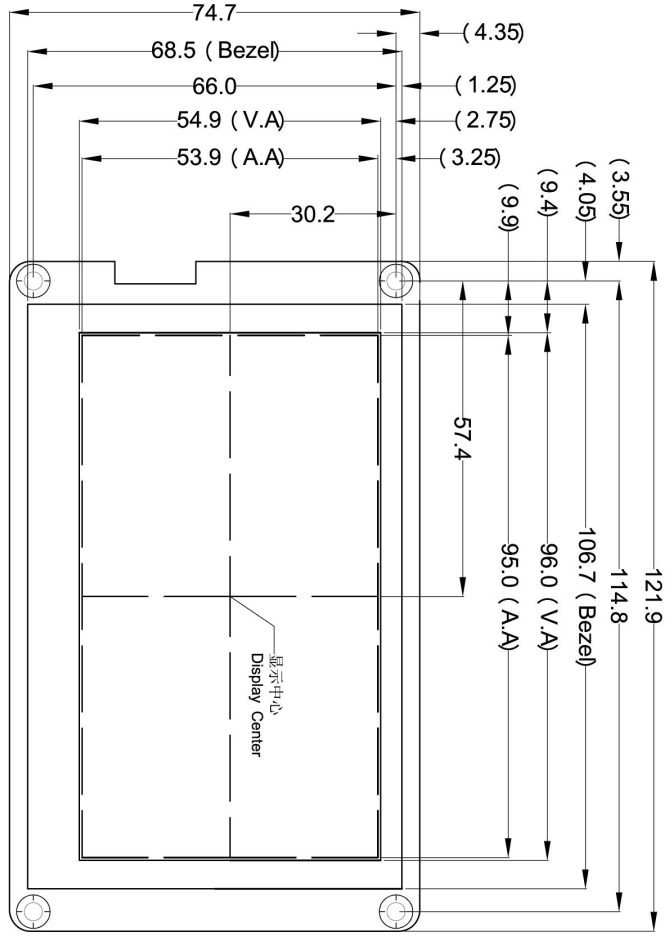
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	836	Pcs
	Picture Storage (2GB)	-	-	7584	Pcs
RAM	Variable Storage Space	-	56	-	KB

Peripherals

Peripherals Acquired	
Peripherals	DMT48270T043_03WN : RTC, Buzzer DMT48270T043_03WT : 4-wire resistance touchscreen, RTC, Buzzer

Packing Capacity & Dimension

Dimension				
Dimension	121.4(W) ×74.7(H) ×13.2(N) /14.7(T)mm			
Net Weight	116g (DMT48270T043_03WN) 136g (DMT48270T043_03WT)			
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



引脚名称	引脚编号	引脚类型	说明
VCC	1,2	P	电源输入 / Power Input
BUSY	3	-	未定义 / Not Defined
DOUT	4	OUT	通文屏串口输出 / DOUT
DIN	5,6	IN	通文屏串口输入 / DIN
GND	7,8	P	公共地 / GND

型号	DMT48270T043_03W			
图纸	A4	绘图	DWIN	日期
比例	1:1	审核		日期
单位	mm	批准		日期

1. 尺寸定位基准为定位孔。
Location hole is used as Drawing Reference.
2. 未标注公差为±0.3mm。
General Tolerance is ±0.3mm.
3. 虚线标注为有效显示区域。
Active Area (A.A.) is marked in dash lines.

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