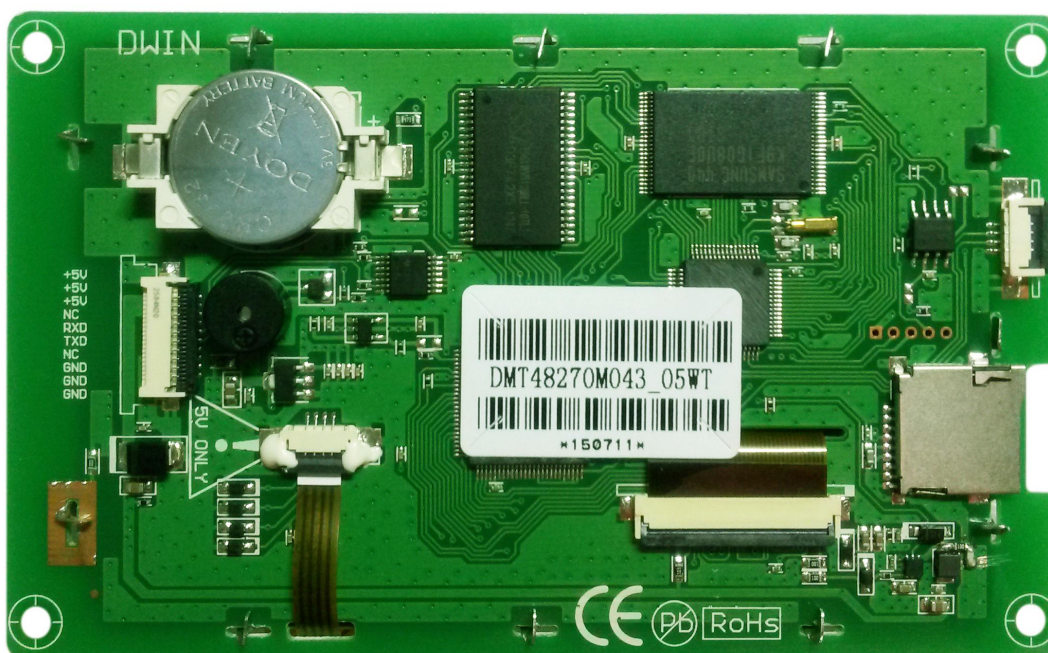


DMT48270M043_05W

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



Record of Revision

Revise Date	Content
2015-07-11	First Edition
2016-09-08	Update Refresh Rate
2016-09-18	Update Variable Storage Space

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.)	96.0mm (W) × 54.9mm (H)	480 × 272
Resolution	480 × 272	90° rotation display (272 x 480)
Backlight	LED	-
Brightness	300 nit (DMT48270M043_05WN)	64 levels adjustment
	250 nit (DMT48270M043_05WT)	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	-	240	-	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	70	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

Interface

Item		Conditions	Min	Typ	Max	Unit
Baudrate	Seria IPort	standard	1200	115200	921600	bps
	Seria Port2			115200		bps
Output Voltage (TXD)		Output 1, Iout = 1mA	3.0	3.2	-	V
		Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD)		Input 1, Iin = 1mA	2.0	3.3	5.0	V
		Input 0, Iin = -1mA	-0.7	0.0	1.3	V
Interface		8N1, 3.3V TTL/CMOS				
Socket		10Pin_1.0mm FCC/4Pin_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 (128MB)	-	-	370	Pcs
RAM	Variable Storage Space	-	8	-	KB
	Refresh Rate		125		Ms

Peripheral

Peripherals Acquired	
Peripherals	DMT48270M043_05WN : RTC, Buzzer DMT48270M043_05WT : 4-wire resistance touchscreen, RTC, Buzzer

Main Features of Mini DGUS Module

Main Features of Mini DGUS Module
1. Hardware&interface:ARM kernel; 128MB flash, 8KB DGUS variables, inapplicable for conditions with strong interference. Supported functions: CRC checksum,the preservation and literacy of font space and firmware upgrading via SD card, modbus protocol and mini OS, online adjusting. Unsupported functions: user defined baudrate, database operations. 2.unsupported functions over software: 0xFE07(screen printing etc.), 5A21_08(margin filling), 5A22(sheet displaying), 5A23(special industry needing). Supported functions: support 4 curves over 5A20 in real time.

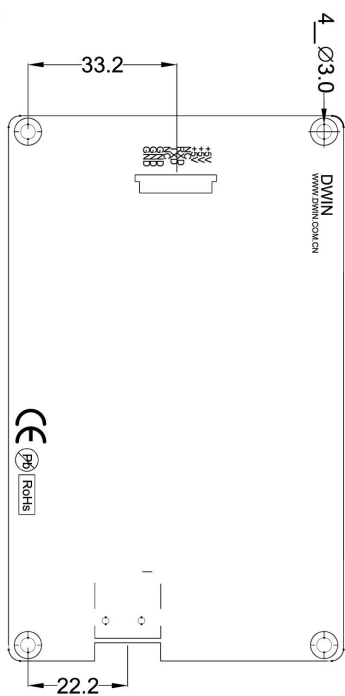
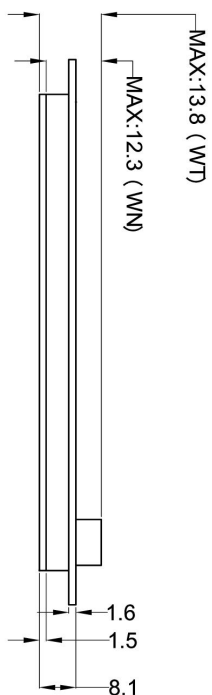
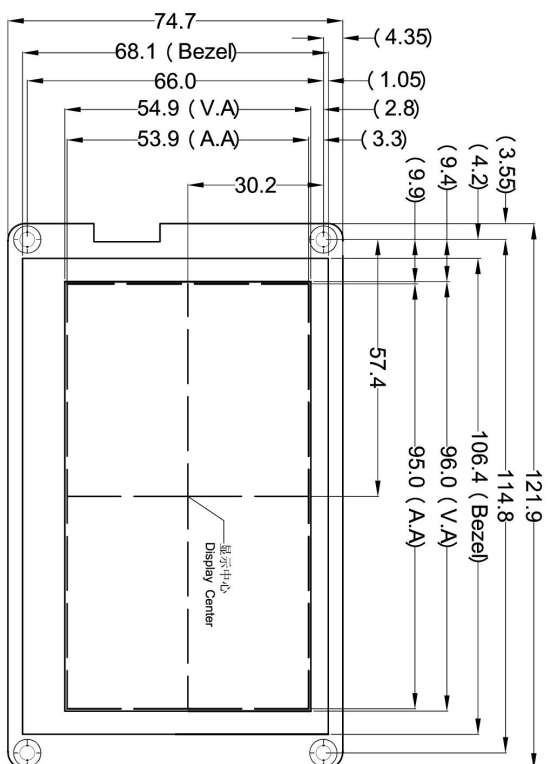
Packing Capacity & Dimension

Packing Capacity & Dimension				
Dimension				
Dimension	121.9 (W) × 74.7 (H) × 12.3 (WN) / 13.8(WT)mm			
Net Weight	96g (DMT48270M043_05WN)			
	119g(DMT48270M043_05WT)			
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

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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	引脚定义	引脚类型	电源接法定义
Vcc	1, 2, 3	P	说明
NC	4	-	电源接法 / Power IN/UT
NC			未定义 / Not defined
R00	5	IN	继电器中心触点 X 3.3V TTL/CMOS
T00	6	OUT	继电器中心触点 X 3.3V TTL/CMOS
NC			继电器中心触点 X 3.3V TTL/CMOS
GND	8, 9, 10	P	未定义 / Not defined
			公共端

型号	DMT48270M043_05W				
图纸	A4	绘图	DWIN	日期	
比例		审核		日期	
单位	mm	批准		日期	



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