

# DMT48270C043\_03W

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



### Record of Revision

Revise Date	Content
2012-08-01	First Edition

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	95.0mm (W) x53.9mm (H)	480*272
View Area (V.A.)	96.0mm (W) x54.9mm (H)	480*272
Resolution	480*272	90° rotated display (272*480)
Backlight	LED	-
Brightness	300 nit (DMT48270C043_03WN)	64 levels adjustment
	250 nit (DMT48270C043_03WT)	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	-	400	-	mA
	VCC = +5V, Backlight off	-	180	-	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	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	1.3	V
Interface	8N1, 3.3V TTL/CMOS				
Socket	10Pin_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 (256MB)	-	-	708	Pcs
	Picture Storage (2GB)	-	-	7456	Pcs
RAM	Variable Storage Space	-	56	-	KB

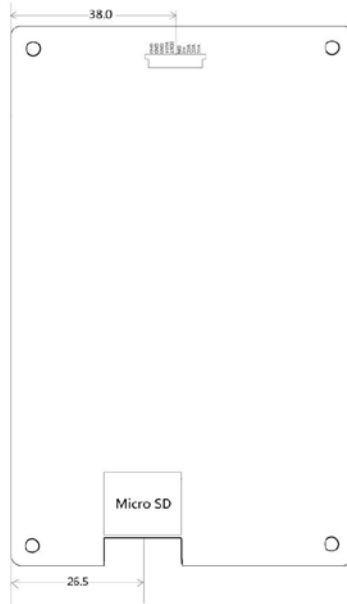
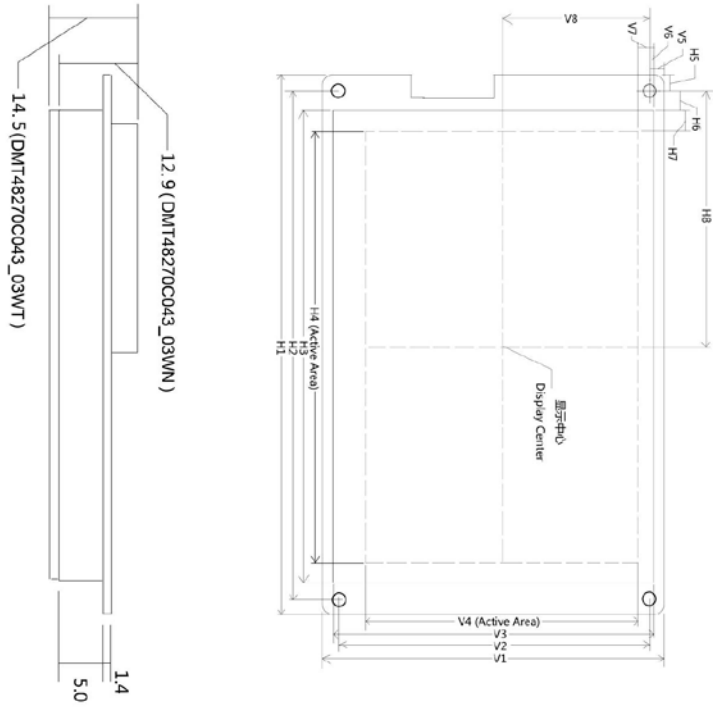
## ● Peripherals

Peripherals Acquired	
Peripherals	DMT48270C043_03WN : RTC, Buzzer DMT48270C043_03WT : 4-wire resistance touchscreen, RTC, Buzzer

## ● Packing Capacity & Dimension

Dimension				
Dimension	121.9(W) x74.7(H) x12.9(N) /14.5(T)mm			
Net Weight	105g (DMT48270C043_03WN)			
	125g (DMT48270C043_03WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)x160mm(W)x47mm(H)	1	2	2
Carton2	250mm(L)x200mm(W)x80mm(H)	2	2	4
Carton3	320mm(L)x270mm(W)x80mm(H)	2	4	8
Carton4	450mm(L)x350mm(W)x300mm(H)	2	25	50
Carton5	600mm(L)x450mm(W)x300mm(H)	2	60	120

H1	121.9
H2	114.8
H3	107.2
H4	95.0
H5	3.6
H6	4.0
H7	5.5
H8	57.0
V1	74.7
V2	66.0
V3	69.8
V4	53.9
V5	4.3
V6	1.3
V7	3.5
V8	29.1



引脚名称	引脚编号	引脚类型	说明
VCC	12,3	P	电源输入 / Power input
NC	4	-	未定义 / Not Defined
RWD	5	N	板载固件输入, 1.35V TTL CMOS DMT (0.3V TTL CMOS)
TWD	6	OUT	板载固件输出 DMT (0.3V TTL CMOS)
BUSV	7	-	未定义 / Not Defined
GND	8,9,10	P	空引脚 / GND

未标注公差为 ±0.3mm。  
Unmarked Tolerance is ±0.3mm

注：虚线标注为显示区域。  
Display Area is marked in Dash lines.

型号	DMT48270C043_03W			北京迪文科技有限公司 Beijing DWIN Technology Co., Ltd.
图纸	A4	绘图	DWIN	
比例	1:1	审核		
单位	mm	批准		