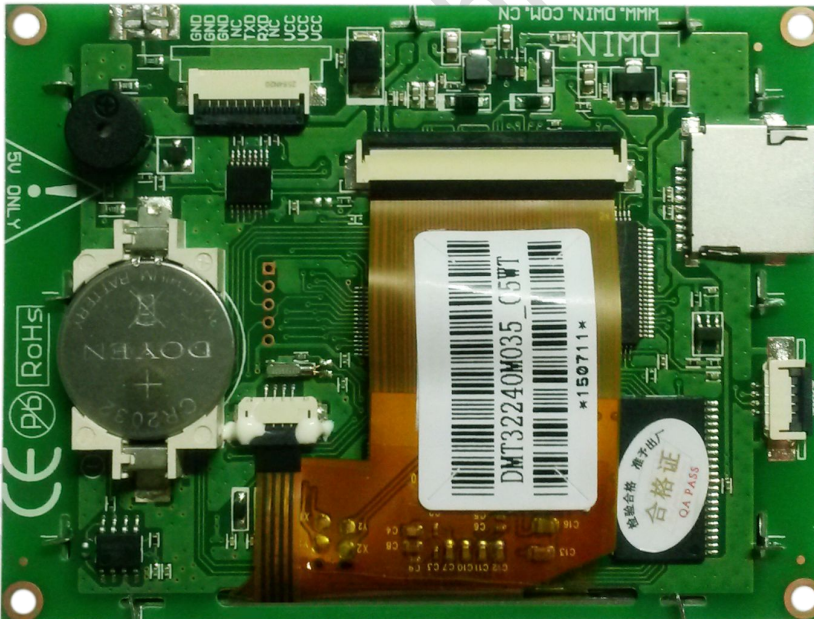


# DMT32240M035\_05W

3.5 Inches, 320xRGBx240, 65K Colors, Mini DGUS LCM



### Record of Revision

Revise Date	Content
2015-07-11	First Edition

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	70.1mm (W) × 52.6mm (H)	320 × 240
View Area (V.A.)	73.2mm (W) × 55.6mm (H)	320 × 240
Resolution	320 × 240	90° rotation (240x320)
Backlight	LED	-
Brightness	300 nit (DMT32240M035_05WN)	64 levels adjustment
	250 nit (DMT32240M035_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	-	200	-	mA
	VCC = +5V, Backlight off	-	50	-	mA
Recommended power supply: 5V 0.5A 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	Serial Port1	standard	1200	115200	921600	bps
	Serial 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	Serial Access Memory Space	-	4	-	KB
	Refresh Rate		125		Ms

## ● Peripheral

Peripherals Acquired	
Peripherals	DMT32240M035_05WN : RTC, Buzzer DMT32240M035_05WT : RTC, Buzzer, 4-wire resistance touchscreen

## ● Main Features of Mini DGUS Module

Main Features of Mini DGUS Module
1. Hardware&interface:ARM kernel; 128MB flash, 32KB DGUS variables, inapplicable for conditions with strong interference. Supported functions: CRC checksum,database exploiting and firmware upgrading via SD card, modbus protocol and mini OS, online adjusting. Unsupported functions: user defined baudrate, database downloading via SD card.
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.

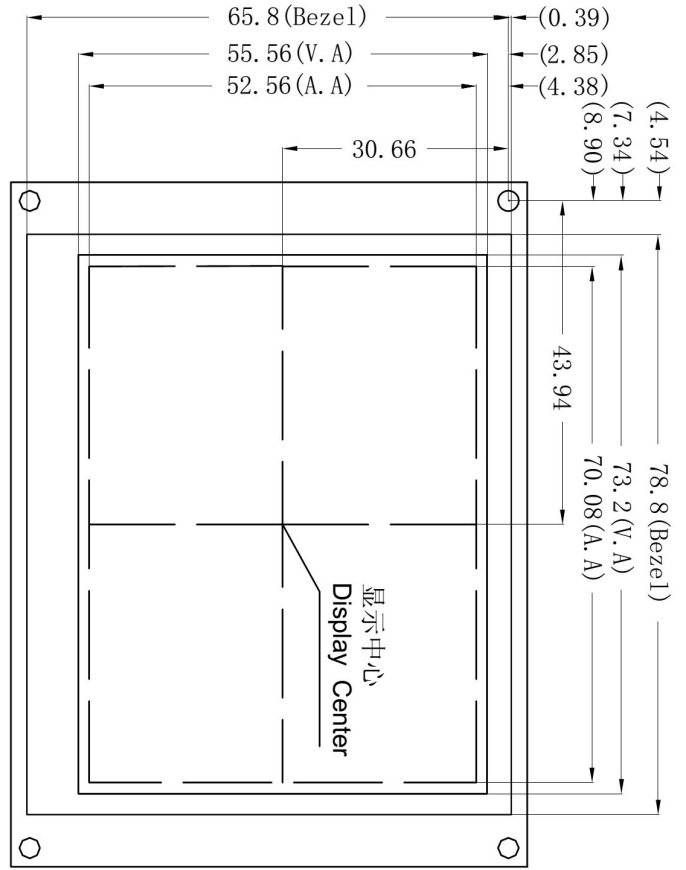
## ● Packing Capacity & Dimension

Dimension				
Dimension	93.0 (W) × 70.1 (H) × 10.4(WN) / 11.5 (WT)mm			
Net Weight	55g (DMT32240M035_05WN) 71g (DMT32240M035_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	35	70



<b>Carton5</b>	600mm(L)×450mm(W)×300mm(H)	2	75	150
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Beijing DWIN Technology Co., Ltd.



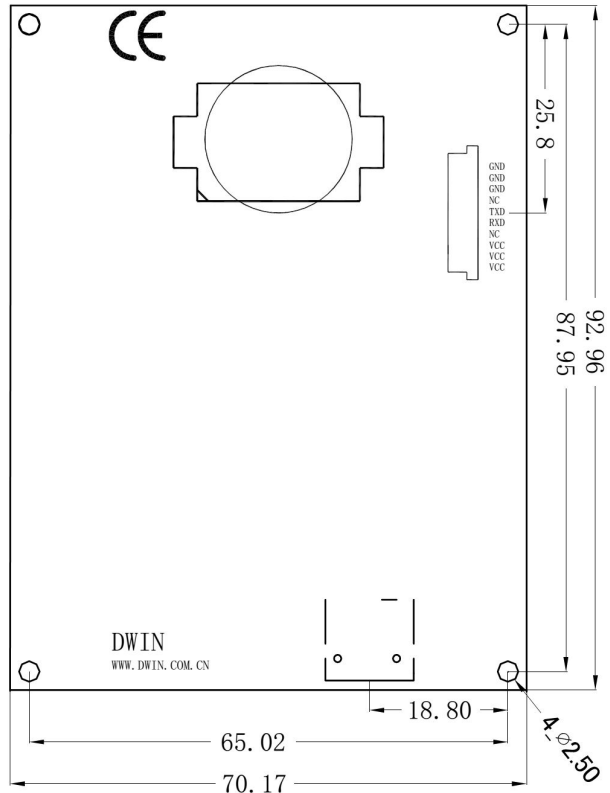
MAX: 11.5 (WT)

MAX: 10.4 (WN)

 1.10  
3.80  
1.00

**电源接口定义**

引脚名称	引脚定义	引脚类型	说明
Vcc	1, 2, 3	P	电源输入/Power INPUT
NC	4	-	未定义/Not Defined
RXD	5	IN	通文屏串口输入, 3.3V TTL/CMOS DIN(3.3V TTL/CMOS)
TXD	6	OUT	通文屏串口输出, 3.3V TTL/CMOS DOUT(3.3V TTL/CMOS)
NC	7	-	未定义/Not Defined
GND	8, 9, 10	P	公共地



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	DMT32240M035_05W			北京迪文科技		
图纸	A4	绘图	DWIN	日期		Beijing DWIN Technology Co., Ltd.
比例		审核		日期		
单位	mm	批准		日期		