

DMT32240M035_03WTZ9

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



Record of Revision

Revise Date	Content
2015-06-24	First Edition

● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	71.5mm (W) × 53.6mm (H)	320 × 240
Resolution	320 × 240	90° rotation (240x320)
Backlight	LED	-
Brightness	250 nit	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	-	180	-	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	-	-
Aging Test	-	-	None	-	H

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	standard	1200	115200	921600	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	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)	-	-	360	Pcs
RAM	Serial Access Memory Space	-	4	-	KB
	Refresh Rate	High-speed Mode		100	Ms
		Normal Mode		200	Ms

● Peripheral

Peripherals Acquired	
Peripherals	RTC, Buzzer, Capacitive touch screen

● Main Features of Mini DGUS Module

Main Features of Mini DGUS Module
1. Hardware & interface: ARM kernel; 128MB flash; 4KB DGUS flash; inapplicable for conditions with strong interference. Unsupported functions: CRC checksum, data exporting and firmware upgrading via SD card, user defined baud rate.
2. Software: Unsupported functions: firmware parameter settings, software timer interface. Only 2 curves are supported in dynamic curve function.

● Packing Capacity & Dimension

Dimension				
Dimension	83.0 (W) × 74.8 (H) × 11.7 mm			
Net Weight	68g			
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
Carton5	600mm(L)×450mm(W)×300mm(H)	2	75	150

