

DMG80480S070_02W

7.0 Inches, 800xRGBx480, 16.7M Colors, UART LCM



Record of Revision

Revise Date	Content
2011-03-20	First Edition
2011-11-01	Update to 2 nd version

● Display

Item	Parameter	Description
Color	16.7M (16777216) colors	24 bit color 8R8G8B
Active Area (A.A.)	154.1mm (W) x85.9mm (H)	800 x 480
View Area (V.A.)	157.1mm (W) x89.5mm (H)	800 x 480
Resolution	800 x 480	90° rotation by using command 0xE0 (480 x 800)
Backlight	LED	-
Brightness	300 nit (DMG80480S070_02WN)	64 levels adjustment by using command 0x5F
	250 nit (DMG80480S070_02WT)	64 levels adjustment by using command 0x5F

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	5.0	12.0	42.0	V
Operation Current	VCC = +12V, Backlight on	-	350	-	mA
	VCC = +12V, Backlight off	-	90	-	mA

Recommended power supply: 12V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-30	25	85	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	Yes	-	-
Aging Test	-	-	72	-	H

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	I/O0=1 (High Voltage)	1200	115200	691200	bps
	I/O0=0 (Low Voltage)	-	921600	-	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	-15.0	3.3	5.5	V
	Input 0, Iin = -1mA	-0.5	0.0	15.0	V
Buffer	-	-	24	-	Frame
Interface	Mode is determined by Jumper: On = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	8Pin_2.54mm				
USB	None				
SD Slot	None				

● Memory

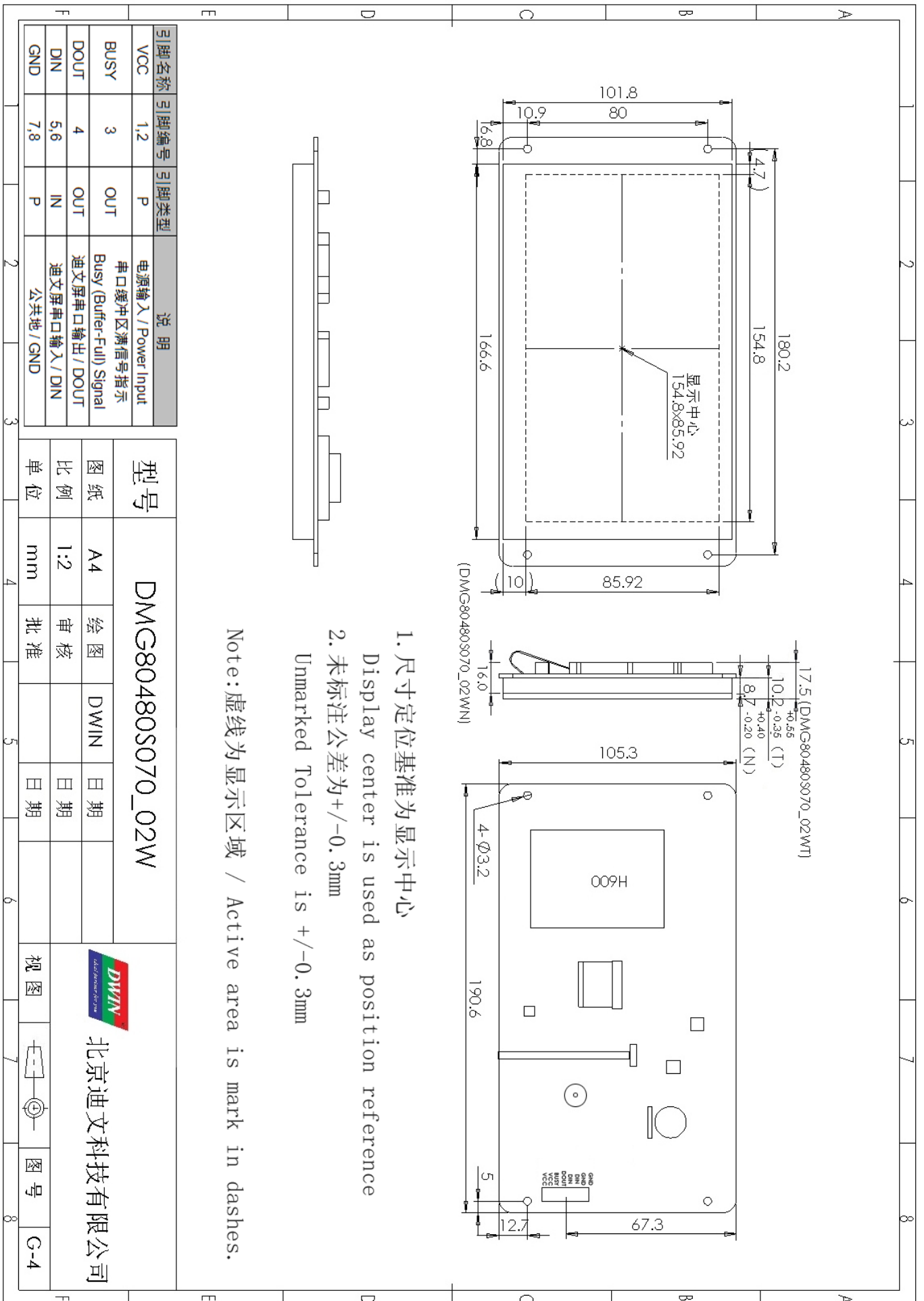
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (384MB)	-	-	236	Pcs
	Picture Storage (3GB)	-	-	2485	Pcs
	User Memory	0	-	32	MB
RAM	Serial Access Memory Space	-	80	-	KB

● Command Set & Peripheral

Command Set & Peripheral	
Command Set	HMI Command Set H600
Peripheral	DMG80480S070_02WN : RTC, Buzzer DMG80480S070_02WT : 4-wire resistance touchscreen, RTC, Buzzer

● Packing Capacity & Dimension

Dimension				
Dimension	190.5 (W) x 150.3 (H) x 16.0 (N) / 17.5 (T)mm			
Net Weight	280g (DMG80480S070_02WN)			
	330g (DMG80480S070_02WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)x160mm(W)x47mm(H)	-	-	-
Carton2	250mm(L)x200mm(W)x80mm(H)	2	1	2
Carton3	320mm(L)x270mm(W)x80mm(H)	2	2	4
Carton4	450mm(L)x350mm(W)x300mm(H)	1	10	10
Carton5	600mm(L)x450mm(W)x300mm(H)	1	20	20



1. 尺寸定位基准为显示中心

Display center is used as position reference

2. 未标注公差为 $\pm 0.3\text{mm}$

Unmarked Tolerance is $\pm 0.3\text{mm}$

Note: 虚线为显示区域 / Active area is mark in dashes.



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视图



图号

G-4