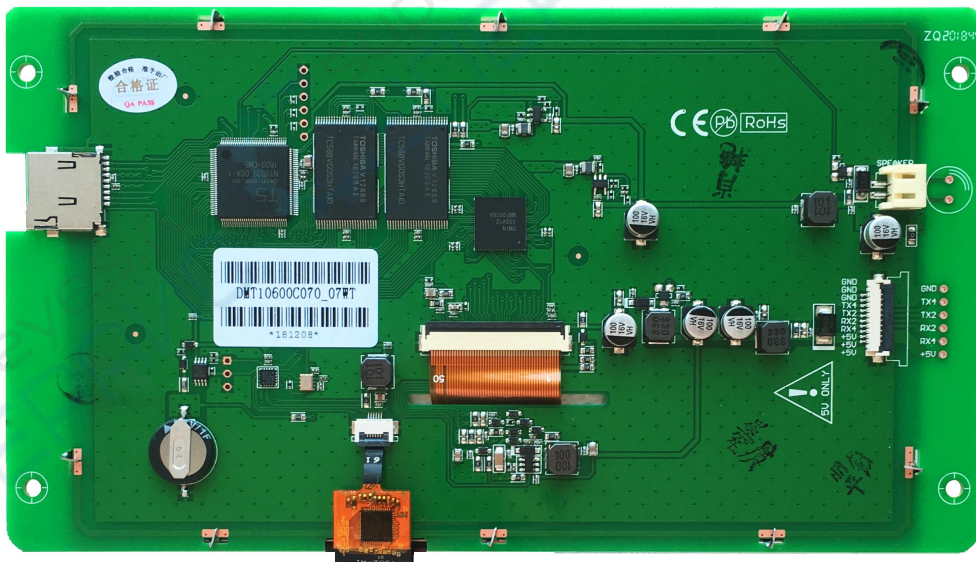


DMT10600C070_07WN DMT10600C070_07WT

7.0 Inches, 1024xRGBx600, 65K Colors, DGUS LCM (DGUS II)



Revise Date	Content
2017-12-19	First Edition
2018-01-13	Add DMT10600C070_07WN Products
2018-05-29	Add instructions about brightness adjusting
2018-07-26	Modify dimensional drawing
2018-12-18	Modify dimensional drawing (Stainless steel frame dimension) and update pictures
2019-08-19	Modify the description of peripherals

● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	154.2mm (W) ×85.9mm (H)	1024*600
Resolution	1024*600	Support 0° /90° /180° /270° rotated display
Backlight	LED	≥10000H (Continuous working with maximum brightness, time of brightness halves)
Brightness	250 nit	100 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
Notice: Displaying a high contrast still screen for more than 30 minutes may result in an image blurring.Please add the screensaver to avoid.		

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	4.5	5.0	5.5	V
Operation Current	VCC = +5V, Backlight on	-	500	-	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
UART2 Baudrate	User Set	7841	115200	7833600	bps
UART4 Baudrate	User Set(Configured in DWIN OS)	239	-	15667200	bps
Output Voltage (TXD)	Output 1, Iout = 1mA	3.0	3.3	-	V
	Output 0, Iout = -1mA	-	0	0.3	V
Input Voltage (RXD)	Input 1, Iin = 1mA	2.4	3.3	5.0	V
	Input 0, Iin = -1mA	0.0	-	0.5	V
Interface	UART2: N81, 3.3V TTL/CMOS UART4: Optional N81/E81/O81/N82 mode, 3.3V TTL/CMOS(be used after OS configuration)				
Socket	10Pin_1.0mm FCC				
SD Slot	Yes (SD/SDHC, FAT32 file format)				
Speaker	2PIN_2.0 Socket				

● Memory

Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	-	64	MB
	Font and audio file share the back half (32 Mbytes) of Font Space.				
	Picture Storage (256MB)	-	-	147	Pcs
RAM	Variable Storage Space	-	128	-	Kbytes
Nor Flash	User database	-	320	-	Kbytes

● UI&Peripherals

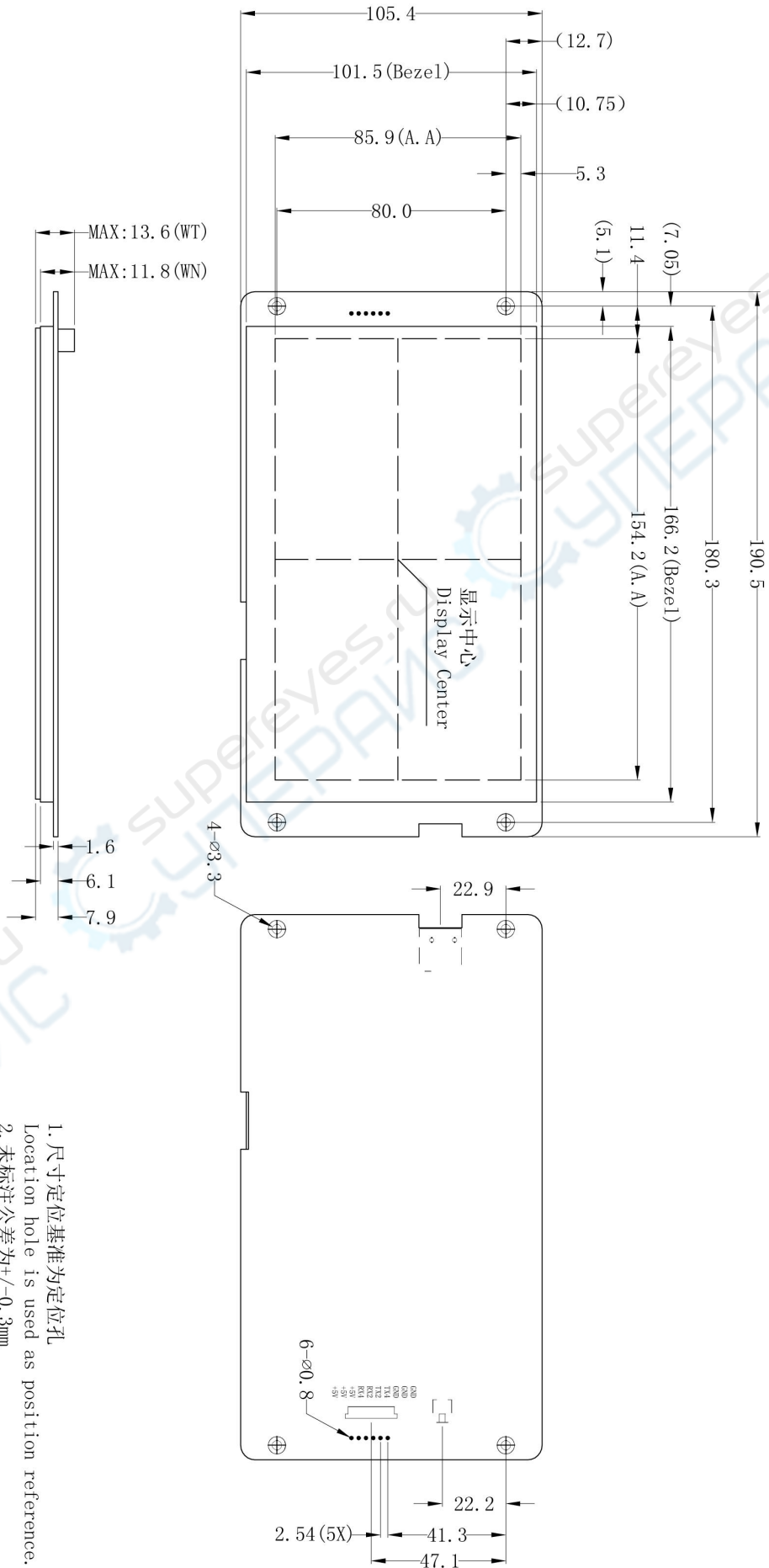
UI&Peripherals	
UI Version	T5UID2
Peripherals	DMT10600C070_07WN:Speaker, RTC
	DMT10600C070_07WT:Capacitive touch screen, Speaker, RTC

● **Packing Capacity & Dimension**

Dimension				
Dimension	190.5 (W) × 105.4 (H) × 13.6 (T)/11.8 (N) mm			
Net Weight	240g (DMT10600C070_07WT)		210g (DMT10600C070_07WN)	
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	1	1	1
Carton2	250mm(L)×200mm(W)×80mm(H)	2	1	2
Carton3	320mm(L)×270mm(W)×80mm(H)	2	2	4
Carton4	450mm(L)×350mm(W)×300mm(H)	-	-	-
Carton5	600mm(L)×450mm(W)×300mm(H)	1	40	40

Remark: There is no extra-notice if the product design changes that do not affect performance parameters and use





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

引脚名称	引脚定义	引脚类型	说明
+5V	1, 2, 3	P	电源输入 /Power Input
RX4	4	I	迪文屏串口4输入DIN
RX2	5	I	迪文屏串口2输入DIN
TX2	6	O	迪文屏串口2输出DOUT
TX4	7	O	迪文屏串口4输出DOUT
GND	8, 9, 10	P	公共接地/GND

型号	DMT10600C070_07WN		
图纸	A 4	图纸	DWTN
比例		审核	
单位	MM	批准	
		日期	
迪文科技 DWIN Technologies			