

DMG80480C070_03WTC

Based on T5L ASIC 7.0 Inches, 800xRGBx480, 16.7M Colors, TN screen CTP
Standard instruction set (TA) / DGUS II system、Cost-Effective screen



Record of Revision

Revise Date	Content
2019-03-28	First Edition
2019-08-22	Modify Interface
2019-11-26	Modify Interface Description
2020-03-07	Change bezel

● Display

Item	Parameter	Description
Color	16.7M (16777216) colors	24 bit color 8R8G8B
(A.A)	154.1mm (W) ×85.9mm (H)	800x480
Resolution	800x480	Support 0° /90° /180° /270° rotated display
Backlight	LED	≥ 10000H (Continuous working with maximum brightness, time of brightness halves)
Brightness	250nit	TA system:64 levels adjustment; DGUS II system:100 levels adjustment (It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
Note: Displaying of high-contrast still images for more than 30 minutes may result in residual images. Please add screen saver to avoid this problem.		

● 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	-	150	-	mA
Recommended power supply: 5V 1A DC					

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
WorkingTemperature	60%RH at 5V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	User Set	3150	115200	3225600	bps
Output Voltage (TXD)	Output 1, Iout = -4mA	4.78	5.0	-	V
	Output 0, Iout = 4mA	-	-	0.4	V
Input Voltage (RXD)	Input 1	2.5	5.0	-	V
	Input 0	-	-	1.0	V
Interface	UART2: Mode is determined by Jumper: (Default to RS232 mode) ON=N81, 3.3V&5V TTL/COMS; OFF=N81,RS232. UART4: Mode is determined by Jumper: (be used after OS configuration) ON=N81/E81/O81/N82, 3.3V&5V TTL/COMS; OFF=N81/E81/O81/N82,RS232.				

Socket	10Pin_1.0mm FCC Socket
USB	None
SD Slot	YES (SDHC/FAT32 Format)

● Memory

Item	Typical value	Features	Typ value	Unit	Description
FLASH (TA/DGUS II)	16Mbytes	Space of Font	4-12	Mbytes	A single font of 256Kbytes, store font, icon libraries, and other binary files
		Picture Storage (.ICL file)	12-4	Mbytes	JPEG format (Picture quantity relate to JPEG size, size of a single JPEG image file should not exceed 256Kbytes)
RAM (DGUS II)	128Kbytes	Variable Storage Space	/	/	Data is not saved when power down
Nor Flash (DGUS II)	320Kbytes	User database	/	/	Data is saved when power down

● UI & Peripheral

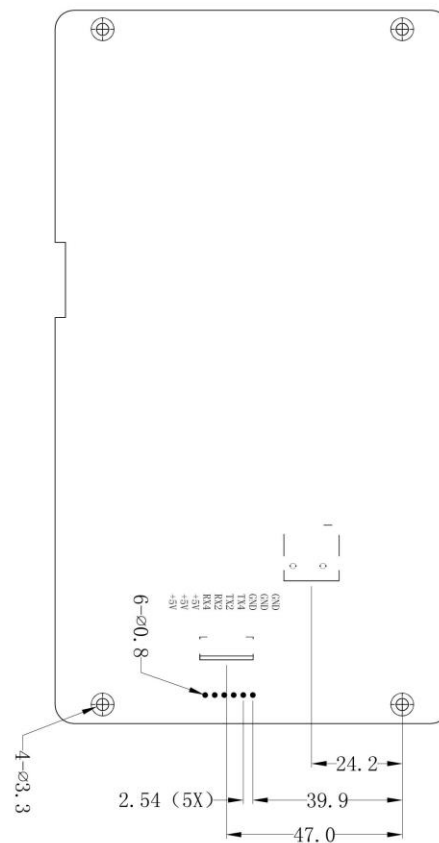
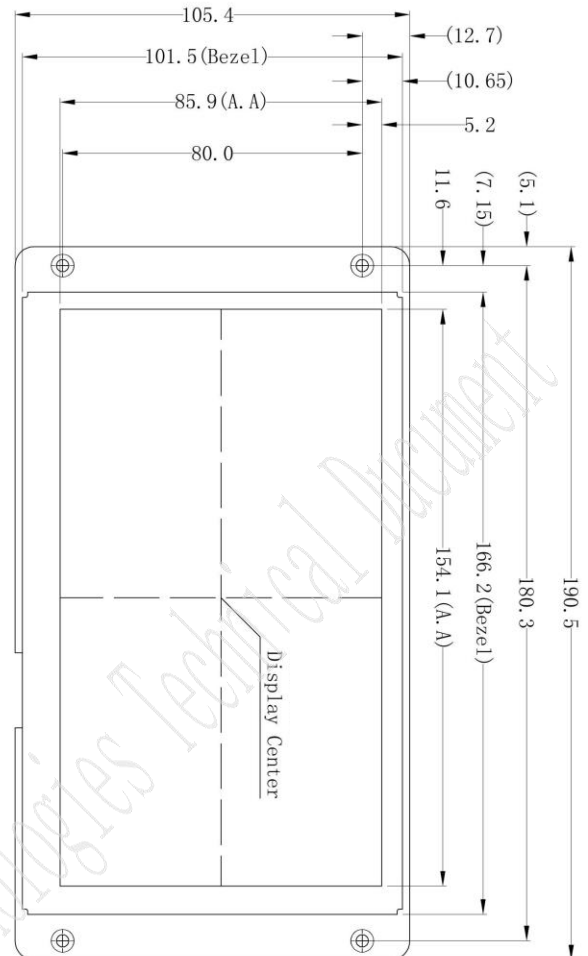
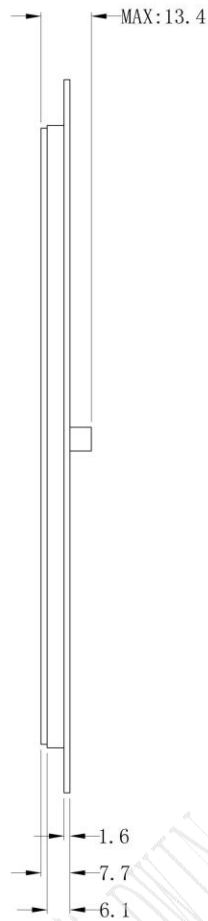
UI & Peripheral	
UI Version	TA / DGUS II (DGUS II pre-installed)
Peripheral	Capacitance touch screen, Buzzer

● Packing Capacity & Dimension

Dimension				
Dimension	190.5(W) × 105.4(H) × 13.4(T) mm			
Net Weight	319g			
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)	none	none	none
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.

GND	8, 9, 10	P
TX4	7	0
TX2	6	0
RX2	5	1
RX4	4	1
+5V	1, 2, 3	P



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