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39

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Notes:

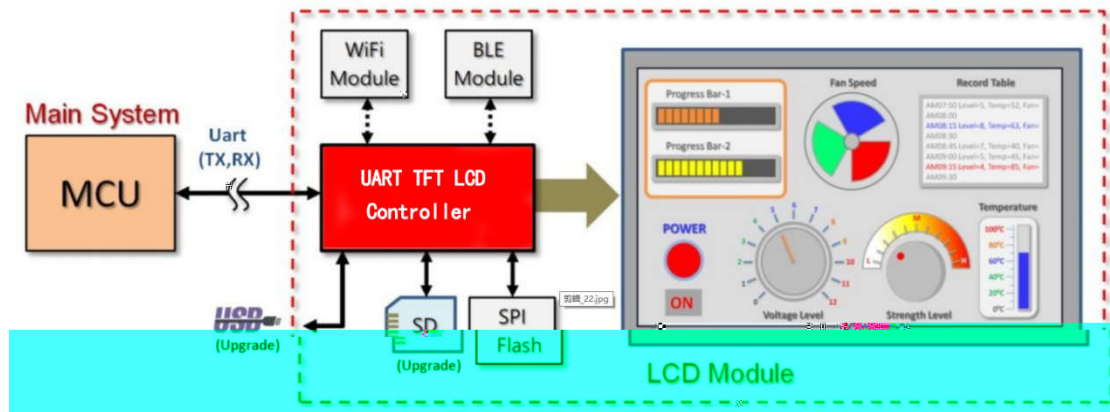
- 1.Please contact AVD before assigning your product based on this module specification.
- 2.To improve the quality of product,this product specification is subject to change without any notice.



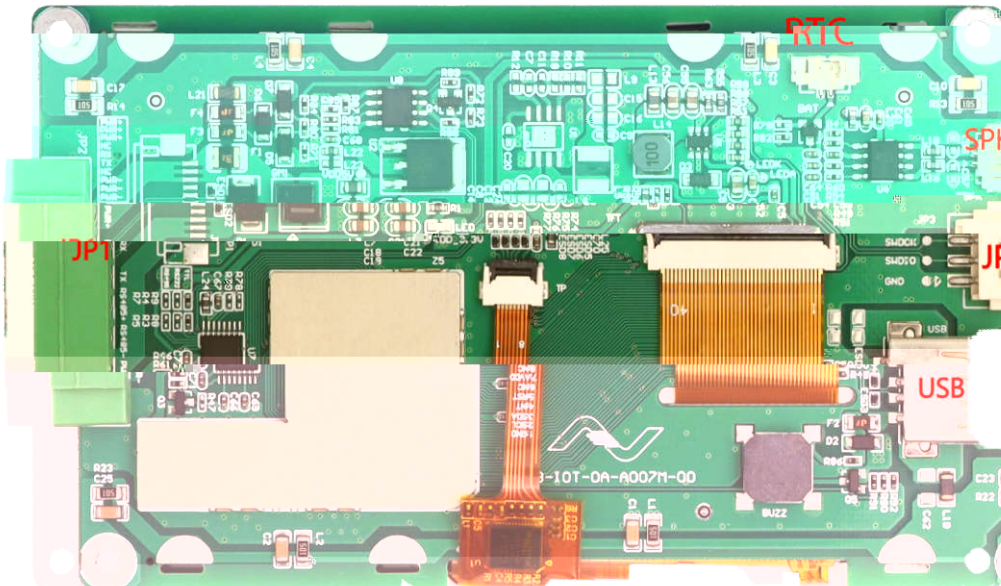
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is a 4.3" serial display module with capacitive touch panel. This product can be widely used in all kinds of smart home appliances, automobile instrument panel, motorcycle panel, multi-functional transaction mac



0xAA (1 Byte)	1 Byte	1 Byte	n Byte	2 Byte	0xE4 0x1B 0x11 0xEE (4 Bytes)





Power and UART



1	PWR+ 5V	6	TX
2	PWR+ 5V	7	NC
3	PWR+ 5V	8	PWR-
4	NC	9	PWR-
5	RX	10	PWR-

Standard Type-A USB 2.0 Interface

J3: MCU Burning Interface



1	GND	3	JTMS(SWDIO)
2	JCLK(SWCLK)	/	/

SPK: 8 3W Loudspeaker



1	SPK+	2	SPK-
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BAT : CR1220 BAT



1	BAT+	2	GND
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Remark:

- 1 The default value of a serial port is TTL.R8 R9 used to select TTL,R3 R4 used to select RS232, R5 R7 used to select RS485.
- 2 J3 is used for MCU Burning.
- 3 BAT is an external CR1220 button battery.
- 4 Firmware upgrade via USB flash drive.

1	LCD Size	4.3 Inch	/
2	Display Mode	TN/Normally White/Transmissive/Anti-glare	/
3	Interface Type	RGB 24bit	/
4	Resolution	480 *272 Pixels	/
5	Pixel Pitch	0.198*0.198 mm	/
6	Color Depth	16.7M	/
7	Module Size	105.40*67.1*2.90 mm	/
8	Surface Luminance	500(Typ.)	cd/m ²

1	Touch Type	Capacitive Touch Panel (CTP)	/
2	Driver IC	GT911 or Compatible	/
3	Resolution	480*272 Pixels	/
4	Interface Type	IIC	/
5	Size	4.3 Inch	/
6	Operating Voltage	3.3	V

Item	Symbol	Min.	Max.	Unit
Power supply Input Voltage(Module)	VDD	-0.3	6.0	V
Supply Current (Normal Temp.)	IVDD	-	190	mA
Operation Temperature	Top	-20	+70	°C
Storage Temperature	Tst	-30	+80	°C
Humidity	RH	-	90%	%RH

No.	Test Item	Test condition	Inspection after test
1	High Temperature Storage Test	+80°C/120 hours	Inspection after 2~4 hours storage at room temperature, the sample shall be free from defects : 1.Current changing
2	Low Temperature Storage Test	-30°C/120 hours	
3	High Temperature Operating Test	+70°C/120 hours	
4	Low Temperature Operating Test	-20°C/120 hours	

5	Temperature Cycle Storage Test	-30°C ~ 25°C ~ +80°C/10 cycles (30 min.) (10 min.) (30 min.)		value before test and after test is 50% larger; 2. Function defect : Non-display,abnormal-d isplay 3.Visual defect : Glass crack.
6	High Temperature High Humidity Test	+50°C*90% RH/120 hours		
7	Vibration Test	Frequency : 250 r/min Amplitude : 1 inch Time: 45 min		
8	Drop Test	Drop direction: 1 corner/3 edges/6 sides ,10 times		
		Packing weight(kg)	Drop height(cm)	
		<11	80±1.6	
		11 G<21	60±1.2	
		21 G<31	50±1.0	
31 G<40	40±0.8			
9	ESD Test	Air discharge: ±8 KV, 10 times Contact discharge: ±4 KV, 10 times		

Avoid any inappropriate external force or strong vibration in the assembly process.

Do not twist or bend panels and prevent improper external forces from damaging panels during assembly. High temperature, high humidity or rapid temperature changes may affect performance. Store and use the product in an appropriate environment.

Avoid dust, oil mist, acid, alkali and chloride damage to the product.

Wear wrist straps, antistatic gloves and clothes during assembly to prevent electrostatic discharge (ESD).

When assembling, use ionic fan to prevent electrostatic discharge (ESD).

Removing the protective film from the top (PCBA binding side) to the bottom in 3 seconds to prevent electrostatic discharge (ESD).

Follow the correct time sequence when operating.

Avoid displaying the same mode/pattern for a long time.

V-COM voltage should be adjusted after aging (blinking) to display the best performance.

Turn off the power when connecting or disconnecting the circuit.

Products may contain small amounts of liquid crystal and comply with local laws and regulations.