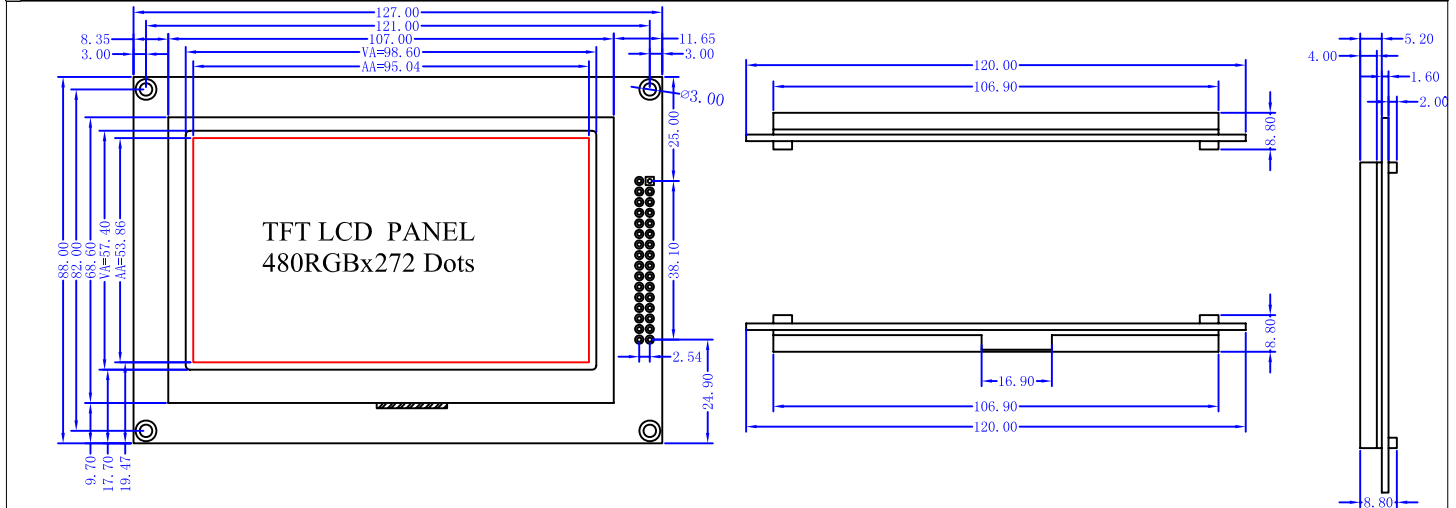


# DJM43T42B01 (480(RGB)X272 DOTS TFT LCD)

## 1. DIMENSION OUTLINE



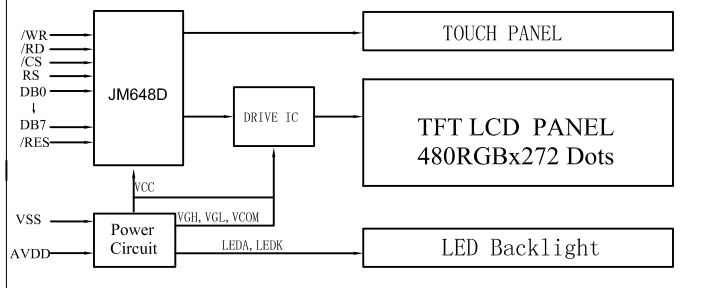
## 2. MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	127.0×88.0×8.8	mm	Reference Dimensional Outline
View Area(W×H)	98.6×57.4	mm	
Effective V/Area	95.4×53.86	mm	
Number of Characters	480(RGB)×272	-	
Dot Pitch(W×H)	0.198×0.198	mm	
Dot Size(W×H)		mm	

## 3. ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V <sub>CC</sub>	Ta=25 °C	-0.3V	5.5V
LCD Voltage	V <sub>LCD</sub>		-0.3V	45V
Input Voltage	AVDD		-0.3V	5.5V
Operation Temperature	T <sub>OP</sub>	-	-20 °C	70 °C
Storage Temperature	T <sub>st</sub>	-	-30 °C	80 °C

## 4. BLOCK DIAGRAM MECHANICAL



## 6. INTERFACE PIN CONNECTIONS

ITEM(CON1)	SYMBOL	LEVEL	FUNCTIONS
1-8	D0-D7	H/L	In 8-bit parallel:DB0-DB7
9-16	D8-D15	H/L	In 16-bit parallel:DB8-DB15
17	/RD	L	Read signal
18	/WR	L	Write signal
19	/CS	L	Chip enable signal
20	RS	H/L	H:command L:data
21	WAIT	H/L	Busy State
22	INT	H/L	The Interrupt signal
23	/REST	L	Reset signal
24	PWM-LED	L	Contrure zhe LED PWM
25-26	VCC	+5V	LCM Power supply for logic
27-28	GND	0V	LCM Power Ground
29-30	LED+	+5V	LED Power Ground
31-32	LED-	0V	LED Power Ground

## 5. LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25 °C				
Forward Voltage	V <sub>f</sub>	15	16	V
Forward Current	I <sub>f</sub>	160	-	mA
Emission Wave Length	λ <sub>p</sub>	White	-	nm

## 7. ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25 °C					
Logic Power	V <sub>CC</sub>	3.0	3.3	3.6	V
Input High Voltage	V <sub>IH</sub>	0.8VCC	-	VCC	V
Input Low Voltage	V <sub>IL</sub>	0	-	0.2VCC	V
Output High Voltage	V <sub>OH</sub>	VCC-0.4	-	VDD	V
Output Low Voltage	V <sub>OL</sub>	0	-	0.4	V
Logic Current	I <sub>DD</sub>	-	-	300	mA
Operation Voltage For LCD	V <sub>GH-VGL</sub>	-	45	-	V

ITEM(CON2)	SYMBOL	LEVEL	FUNCTIONS (external Controller)
1	GND	0V	Power Ground
2	VCC	+5V	Power supply for logic
3	SCL	+5V	SPI Colock
4	SD1	H/L	SPI Date Input
5	SD0	H/L	SPI Date Output

ITEM(CON3)	SYMBOL	LEVEL	FUNCTIONS (external Controller)
1	KINO	H/L	Keypad Date Line Or GPIs
2	KOUT0	H/L	Keypad Strobe Line Or GPOs
3	KIN1	H/L	Keypad Date Line Or GPIs
4	KOUT1	H/L	Keypad Strobe Line Or GPOs
5	KIN2	H/L	Keypad Date Line Or GPIs
6	KOUT2	H/L	Keypad Strobe Line Or GPOs
7	KIN3	H/L	Keypad Date Line Or GPIs
8	KOUT3	H/L	Keypad Strobe Line Or GPOs
9	KIN4	H/L	Keypad Date Line Or GPIs
10	NC	--	NC