RT12864B

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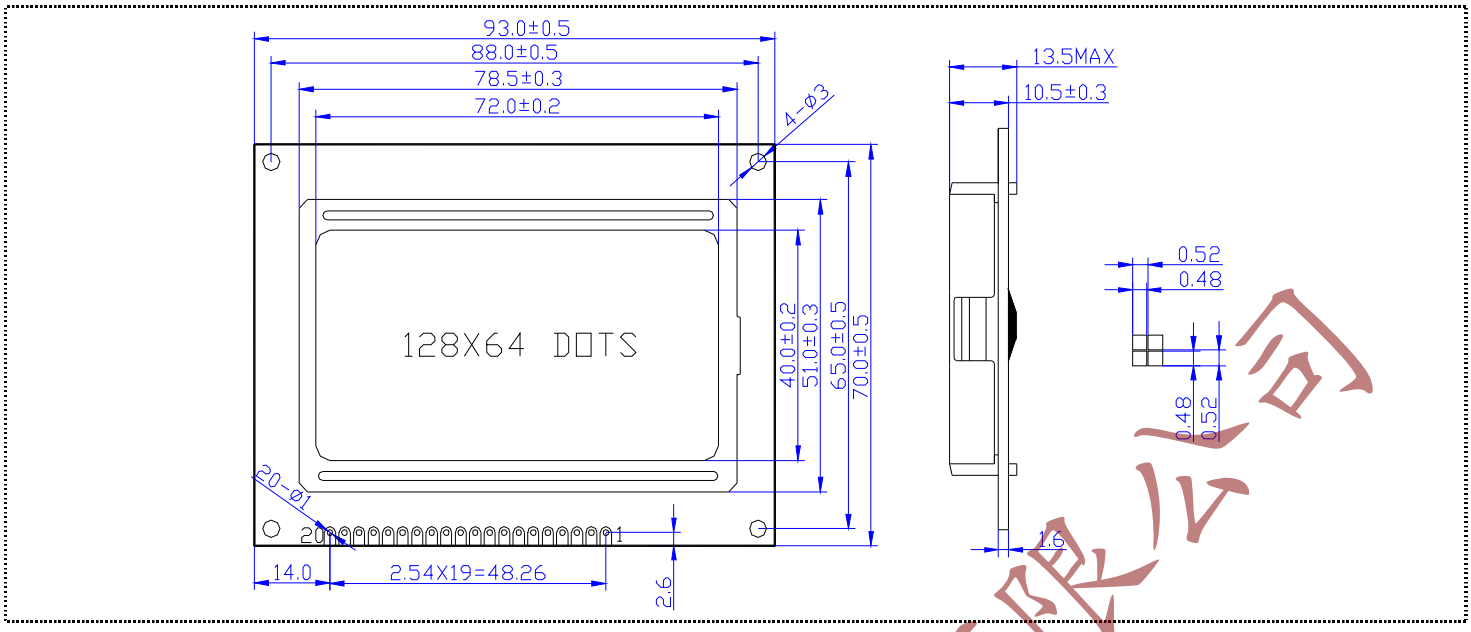


MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W×H×T)	93.0×70.0×13.5	mm
Viewing Area(W×H)	72.0×40.0	mm
Dot Pitch(W×H)	0.52×0.52	mm
Dot Size(W×H)	0.48×0.48	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min	Type	Max	Unit
Operating Voltage	VDD	4.5	5.0	5.5	V
Operating Current	IDD	5.8	6.5	7.0	mA
LED Voltage	V_{LED}	4.5	5.0	5.5	V
LED Current	I_{LED}	120	190	250	mA
Operating Temp.	Topr	-20	—	+70	℃
Storage Temp.	Tsto	-30	—	+80	℃

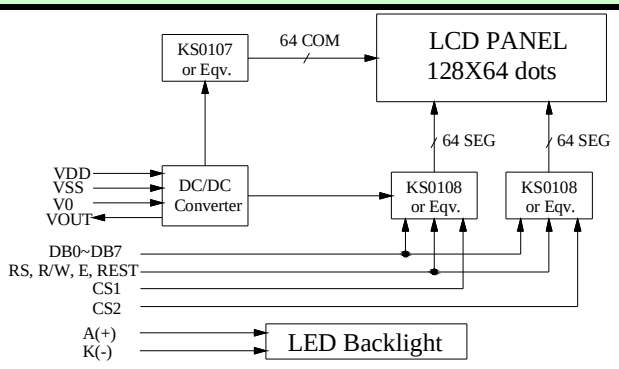
ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Type	Max	Unit
Input Hight Voltage	V_{IH}	0.7VDD	—	VDD	V
Input Low Voltage	V_{IL}	0	—	0.3VDD	V
Output Hight Voltage	V_{OH}	2.4	—	VDD	V
Output Low Voltage	V_{OL}	0	—	0.4	V

PIN CONNECTIONS

PIN	Symbol	Level	Function
1	VSS	—	GND(0V)
2	VDD	—	Supply Voltage for Logic(+5V)
3	V0	—	Power Supply for LCD
4	RS	H/L	H: Data; L: Instruction Code
5	R/W	H/L	H: Read; L: Write
6	E	H/L	Enable signal
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	CS1	H	H:Chip Selection For Left Screen
16	CS2	H	H:Chip Selection For Right Screen
17	REST	L	Reset Signal (Active LOW)
18	VOUT	—	Negative Voltage to LCD
19	A(+)	—	Backlight Power (+5V)
20	K(-)	—	Backlight Power (0V)

BLOCK DIAGRAM



POWER SUPPLY