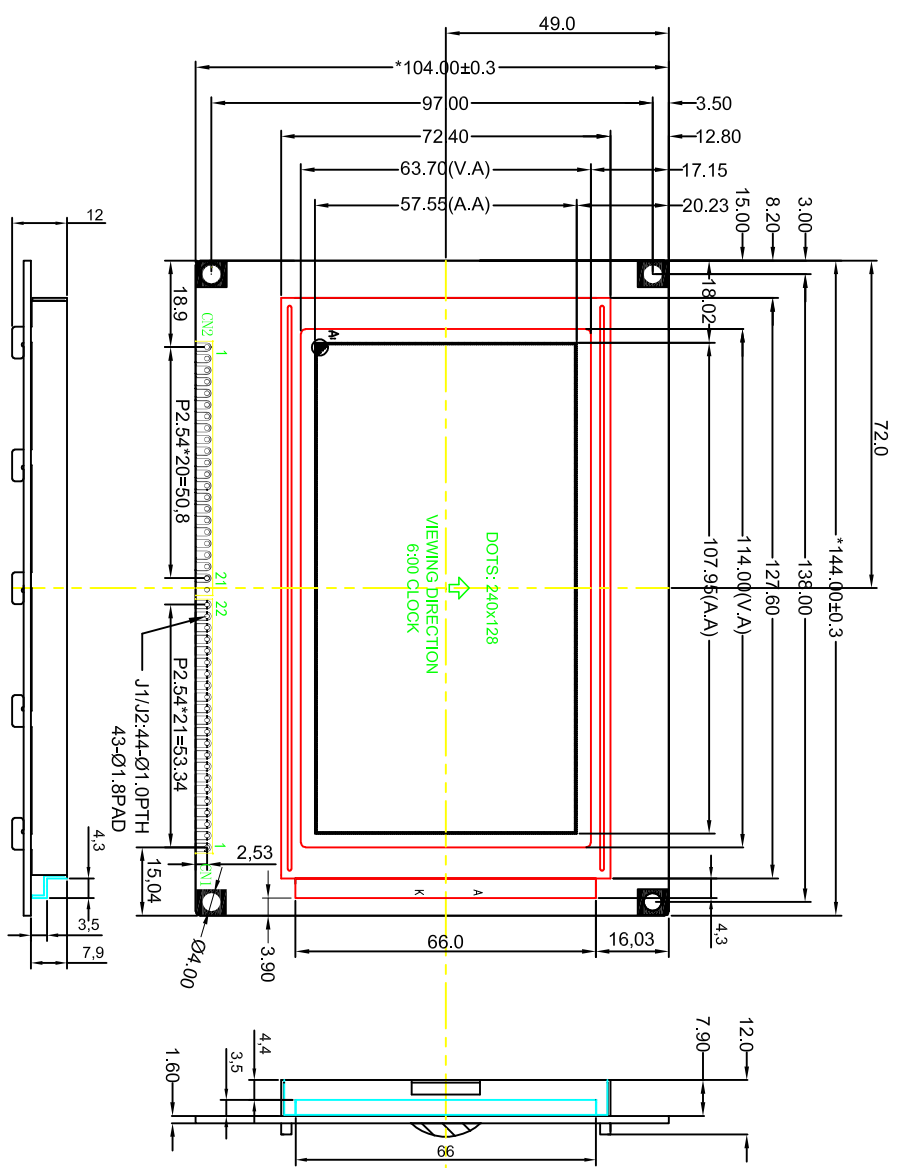


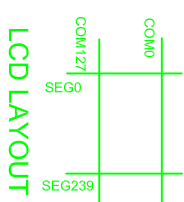
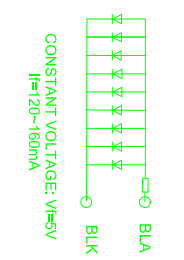
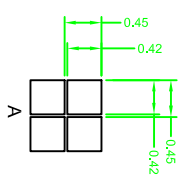
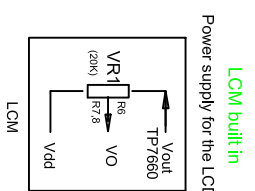
Customer approval :



Specification:

- 1). Driving: Duty: 1/128, Bias: 1/12, Vout: -14.5V, V0: -12.5V, VDD: 5.0V.
- 2). Viewing direction: 6 o'clock
- 3). Display mode: STN/Blue/Negative/Transmissive
- 4). Operating temp: -20°C~+70°C
- 5). Storage temp: -30°C~+80°C
- 6). Control IC: UC16963 (Or Compatible)
- 7). Backlight: Edge White LED: 5.0V 120MA
- 8). dimensions with mark "H" are important
- 9). All the raw materials are RoHS compliant

(VDD:5.0V or 3.3V, BLA:5.0V or 3.3V, Display mode: STN/Blue OR STN/yellow-Green, Fstn/Grey)



Item	Symbol	Function	Item	Symbol	Function
1	FGND	Frame Ground	9	RST	Controller reset signal Active Low
2	VSS	Power Ground/0V	10	DB0-7	Data bus lines
3	VDD	Power supply for Logic: +5.0V	11-18	DB0-7	Data bus lines
4	NC	No Connection	19	FS1	Font Select (FS0=L) H8X8 L8X8
5	/WR	Write signal Active Low	20	NC	No Connection
6	/RD	Read signal Active Low	21	BLA	Anode of LED Backlight(+5.0V)
7	/CE	Enable signal for Chip Active Low	22	BLK	Cathode of LED Backlight(-)
8	C/D	Register selection H: Instruction L: Data			

Item	Symbol	Function	Item	Symbol	Function
1	FGND	Frame Ground	9	RST	Controller reset signal Active Low
2	VSS	Power Ground/0V	10-17	DB0-7	Data bus lines
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5	/WR	Write signal Active Low	20	BLA	Anode of LED Backlight(+5.0V)
6	/RD	Read signal Active Low	21	BLK	Cathode of LED Backlight(-)
7	/CE	Enable signal for Chip Active Low			
8	C/D	Register selection H: Instruction L: Data			

Multiple options 19-21pin	19	VOUT	NC	BLK	BLA	BLA
	20	BLA	BLA	VOUT	BLK	BLK
	21	BLK	nc	BLA	VOUT	nc
	22	nc	nc	nc	nc	nc



深圳市三元鼎科技有限公司
ShenZhen TCCLCD HI-Tech Co., Ltd.

REV	REVISION RECORD	DATE	MODEL NO.	GENERAL TOL:
A	FIRST ISSUE	2015/11/03	240128888V21-5C48BLN9R-B5WG	± 0.25
B		2019/09/15	模组型号	
C		2019/09/15	APPROVED BY 审核	
		2019/09/15	CHECKED BY 检查	
		2019/09/15	LGJ	
		2019/09/15	Lxx	
		2019/09/15	DRAWING BY 绘图	
		2019/09/15	PROJECTION 三角法	
		2019/09/15	UNIT: 单位	
		2019/09/15	mm	

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