

RT12864J-1

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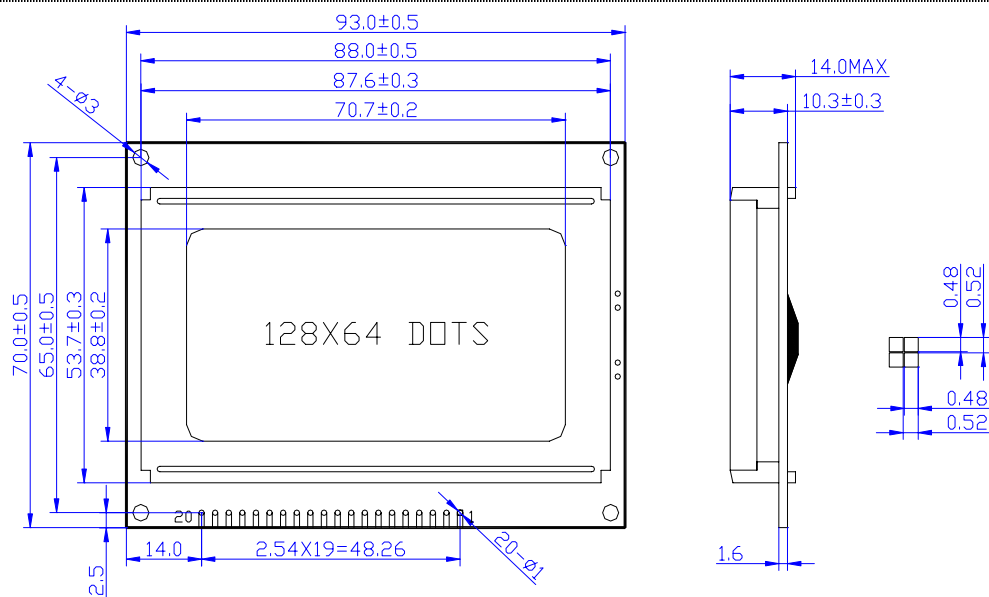
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MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W×H×T)	$93.0 \times 70.0 \times 14.0$	mm
Viewing Area(W×H)	70.7×38.8	mm
Dot Pitch(W×H)	0.52×0.52	mm
Dot Size(W×H)	0.48×0.48	mm

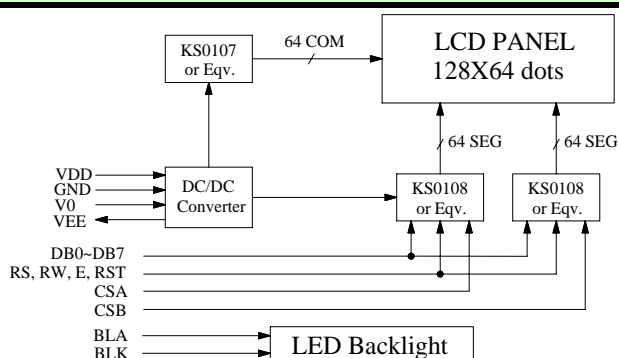
ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min	Type	Max	Unit
Operating Voltage	VDD	4.5	5.0	5.5	V
Operating Current	IDD	4.0	4.3	5.0	mA
LED Voltage	V _{LED}	4.5	5.0	5.5	V
LED Current	I _{LED}	65	100	140	mA
Operating Temp.	T _{opr}	-20	—	+70	°C
Storage Temp.	T _{sto}	-30	—	+80	°C

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

BLOCK DIAGRAM



PIN CONNECTIONS

PIN	Symbol	Level	Function
1	GND	—	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	RW	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	CSA	H	H: Chip Selection For Left Screen
16	CSB	H	H: Chip Selection For Right Screen
17	RST	L	Reset Signal (Active LOW)
18	VEE	—	Negative Voltage to LCD
19	BLA	—	Backlight Power (+5V)
20	BLK	—	Backlight Power (0V)

POWER SUPPLY

