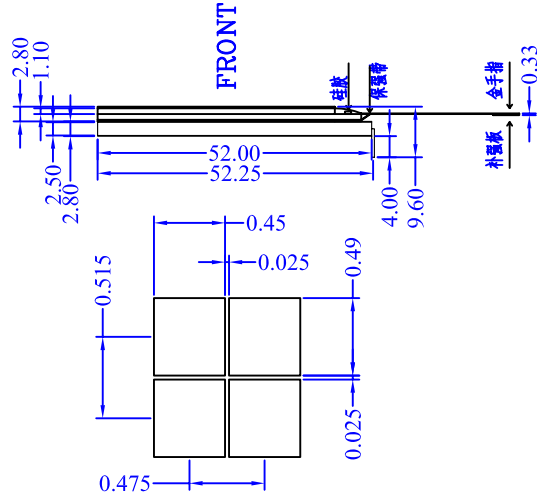
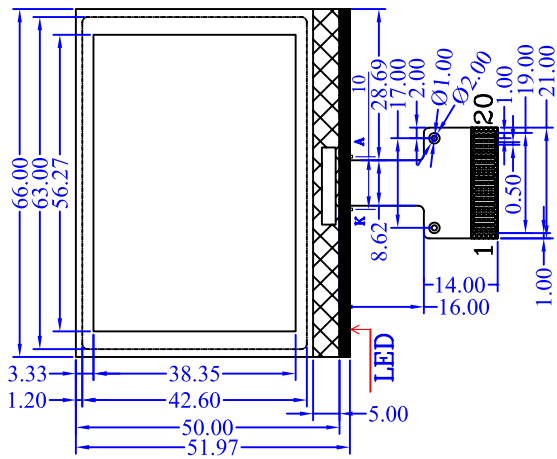


1.DIMENSION OUTLINE



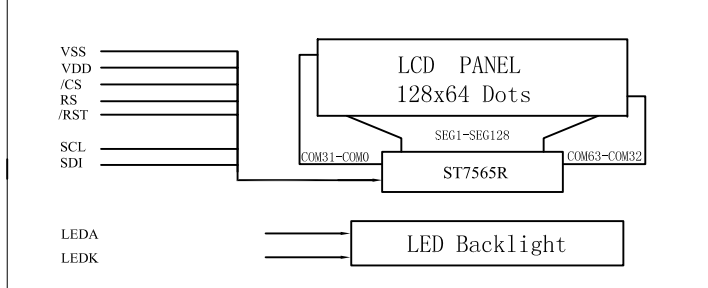
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	51.97×66.0×9.6	mm	Reference Dimensional Outline
View Area(L×W)	63.0×42.6	mm	
Effective V/Area	56.27×38.35	mm	
Number of Characters	128×64	-	
Dot Pitch(L×W)	0.475×0.515	mm	
Dot Size(L×W)	0.45×0.49	mm	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V _{DD}	Ta=25°C	0.3V	4.0V
LCD Voltage	V _{LCD}		0.3V	9.5V
Input Voltage	V _I		-0.3V	V _{DD} +0.3V
Operation Temperature	T _{OP}	—	-20°C	70°C
Storage Temperature	T _{st}	—	-30°C	80°C

4.BLOCK DIAGRAM MECHANICAL



6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
	PIN1		
1	/CS	L	Chip select signal
2	/RST	L	Reset signal
3	RS	H/L	L:command H:data
4	SCL	H/L	Serial Clock Input
5	SDI	H/L	Serial Data Input
6	VDD	+3.3V	Power supply for logic
7	VSS	0V	Power Ground
8	NC		
9	NC		
10	NC		
11	NC		
12	NC		
13	XV0	L	LCD Power
14	NC		
15	NC		
16	NC		
17	NC		
18	NC		
19	NC		
20	NC		

5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25°C				
Forward Voltage	V _f	3.0	3.1	V
Forward Current	I _f	40	—	mA
Emission Wave Length	λ _p	White	—	nm

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25°C					
Logic Power	V _{DD}	2.7	3.3	3.6	V
Input High Voltage	V _{IH}	0.8V _{DD}	—	V _{DD}	V
Input Low Voltage	V _{IL}	0	—	0.2V _{DD}	V
Output High Voltage	V _{OH}	V _{DD} -0.4	—	V _{DD}	V
Output Low Voltage	V _{OL}	0	—	0.4	V
LCM Current	I _{DD}	—	—	33	mA
Operation Voltage For LCD	V ₀ -V _{ss}	—	10.0	—	V