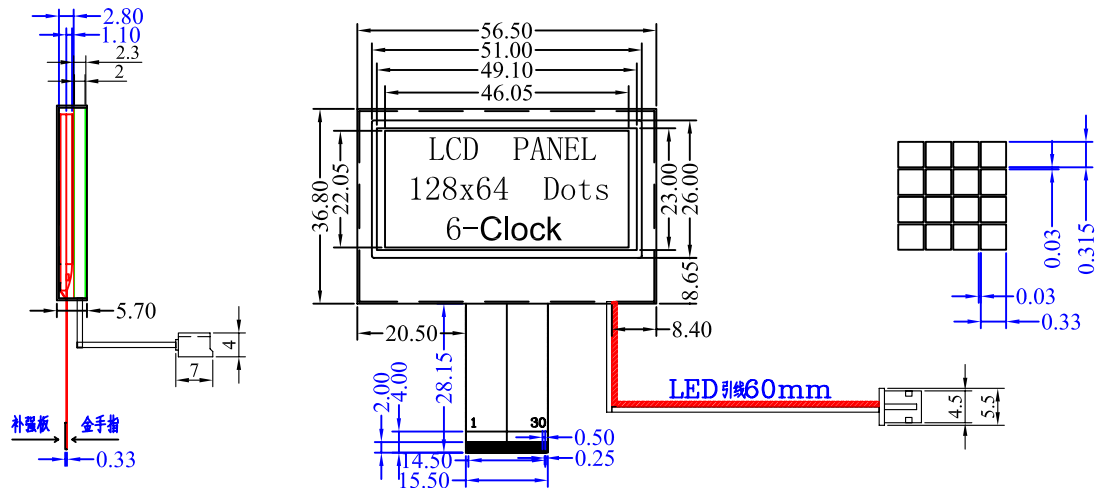


1. DIMENSION OUTLINE



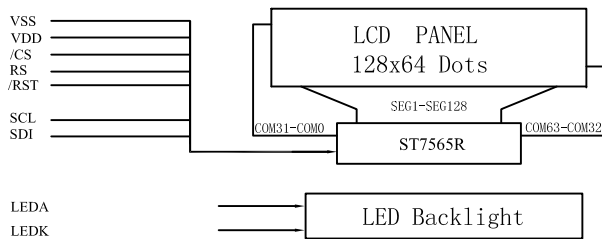
2. MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	56.5×36.8×5.7	mm	Reference Dimensional Outline
View Area(L×W)	51.0×26.0	mm	
Effective V/Area	46.05×22.05	mm	
Number of Characters	128×64	-	
Dot Pitch(L×W)	0.36×0.345	mm	
Dot Size(L×W)	0.33×0.315	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	IRS		L:IN	H:EX
2	PSB		L:Serial	H:Parallel
3	C86		L:8080	H:0086
4	VR			
5	V0			
6	V1			
7	V2			
8	V3			
9	V4			
10	C2N			
11	C2P			
12	C1P			
13	C2P			
14	C3P			
15	VOUT			
16	VSS	0V	Power Ground	
17	VDD	+3.3V	Power supply for logic	
18	D7	H/L	Data Bus	Serial Data Input
19	D6	H/L		Serial Clock Input
20	D5	H/L		NC
21	D4	H/L		
22	D3	H/L		
23	D2	H/L		
24	D1	H/L		
25	D0	H/L		
26	/RD	H	Rade signal	
27	/WR	L	Write signal	
28	AO	H/L	L:command H:data	
29	RST	L	Reset signal	
30	CS	L	Chip select signal	

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 Wavelength	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