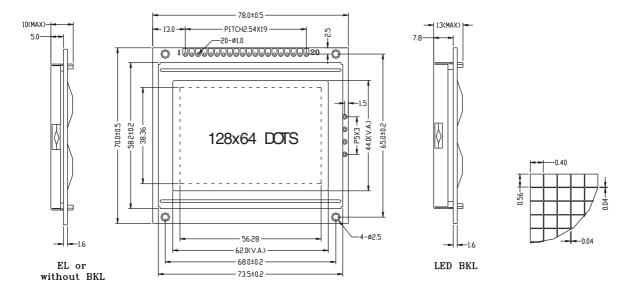
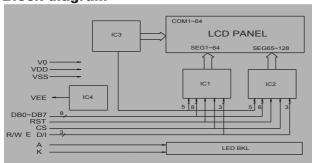
XIAMEN OCULAR



Outline Dimension



Block diagram



Interface pin connections

PIN NO	Symbol	Function		
1	/CSA	Chip select for IC1		
2	/CSB	Chip select for IC2		
3	VSS □	GND		
4	VDD 🗆	+5V		
5	V0 □	Constrast adjustment		
6	D/I	H/L Register select signal		
7	R/W	H/L Read/Write signal		
8	E	H/L Enable signal		
9 to 16	DB0 to DB7	H/L Data bus line		
17	RST	Reset signal		
18	VEE	Negative voltage output		
19	Α	Power supply for BKL(4.2V)		
20	K	Power supply for BKL(GND)		

Feature

- 1. 128X64 dots graphic LCD module
- 2. Built-in controller (KS0108B)
- 3. 5.0V power supply
- 4. STN; 1/64 duty; LED BKL or EL BKL

Mechanical Data

Item	Standard	Unit	
Module dimension	78.0x70.0	mm	
Viewing area	62.0x44.0	mm	
Dot size	0.40x0.56	mm	
Dot pitch	0.44x0.60	mm	

Absolute Maximum Rating

lkovo	C. wash al		Unit			
Item	Symbol	Min	Тур	Max	Offic	
Power supply	VDD-VSS	-0.3		5.5	V	
Input voltage	VI	-0.3		VDD] `	

Electronical characteristics

Electronical characteristics								
ltana	Symbol	Condition	Standard			Unit		
Item			Min	Тур	Max	Uffilt		
	VDD	+5V	4.7	5.0	5.5	V		
Input voltage								
Supply current	IDD	VDD=5V		8		mA		
	VDD-V0	-20°C				V		
Recommended LCD vriving voltage		0 ℃		9.8				
for normal temp		25°C		9.5				
version module		50°C		9.3				
		70°C						
LED forward voltage	VF	25°C		4.2	4.5	V		
LED forward current	IF	25°C		360		mA		
EL power supply current	lel	V _{EL} =110V AC 400Hz				mA		