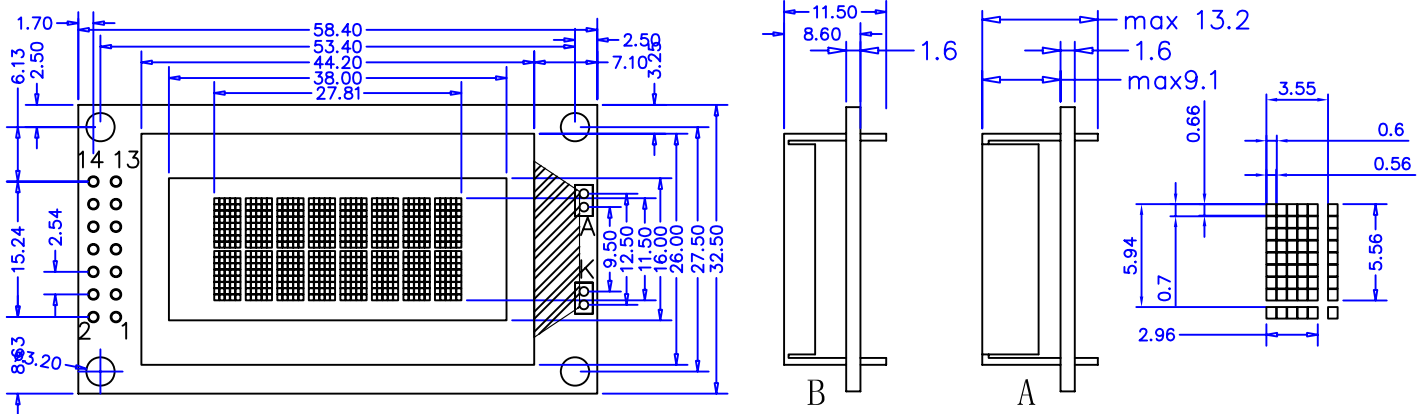


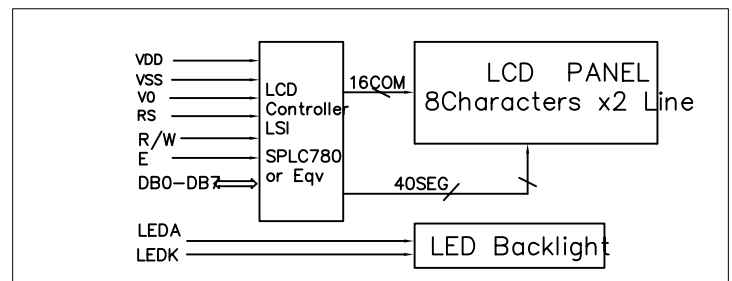
1.DIMENSION OUTLINE



2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	58.4×32.5×13.0	mm	Reference Dimensional Outline
View Area(W×H)	38.0×16.0	mm	
Effective V/Area	27.81×11.5	mm	
Number of Characters	8CH×2Line	—	
Dot Size(W×H)	0.66×0.56	mm	
Character Size(WxH)	2.96×5.56	mm	
Weight (Reflective/Led)	—	g	

3.BLOCK DIAGRAMMECHANICAL



4.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃				
Forward Voltage	Vf	4.1	4.3	V
Forward Current	If	60	—	mA
Emission Wave Length	λP	568	—	nm
Forward Voltage	Vf	3.0	3.1	V
Forward Current	If	15	—	mA
Emission Wave Length	λP	—	—	nm

5.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	VDD	Ta=25℃	-0.3V	5.5V
LCD Voltage	VLCD		-0.3V	13V
Input Voltage	Vi		-0.3V	VDD+0.3V
Operation Temperature	TOP	—	-20℃	70℃
Storage Temperature	Tst	—	-30℃	80℃

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	VSS	0V	Power Ground
2	VDD	5.0V	Power Supply For Logic
3	VO	—	Contrast adjust
4	RS	H/L	H:data L:command
5	R/W	H/L	H:read L:write
6	E	H.H→L	Enable signal
7-14	DB0-DB7	H/L	Data Bus

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25℃					
Logic Power	VDD	4.5	5	5.5	V
Input High Voltage	VIH	2.2	—	VDD	V
Input Low Voltage	VIL	-0.3	—	0.8	V
Output High Voltage	VOH	2.4	—	VDD	V
Output Low Voltage	VOL	0	—	0.4	V
Logic Current	IDD	—	1.2	3.0	mA
Operation Voltage For LCD	VDD-V0	—	5	—	V