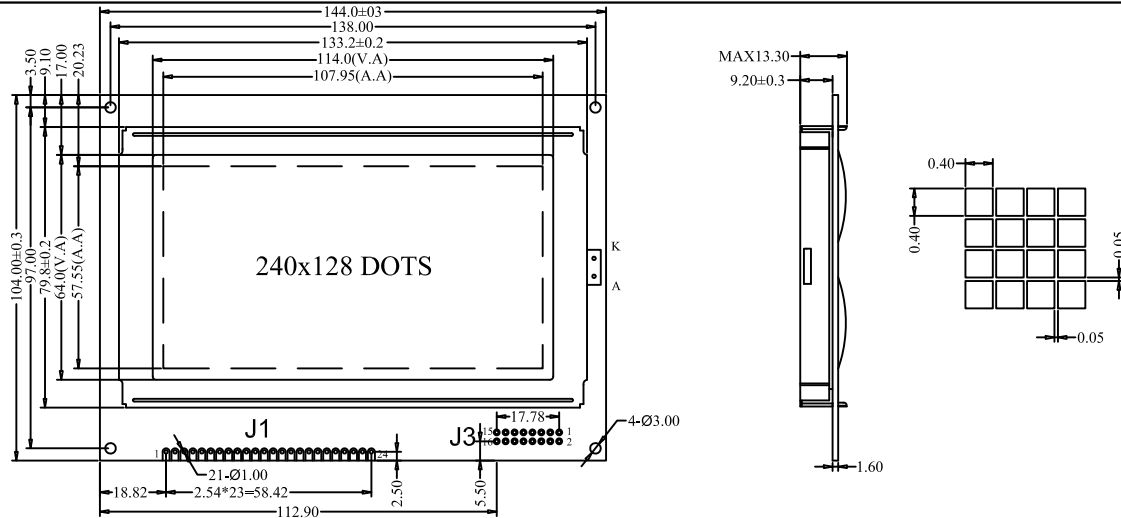


1.DIMENSION OUTLINE



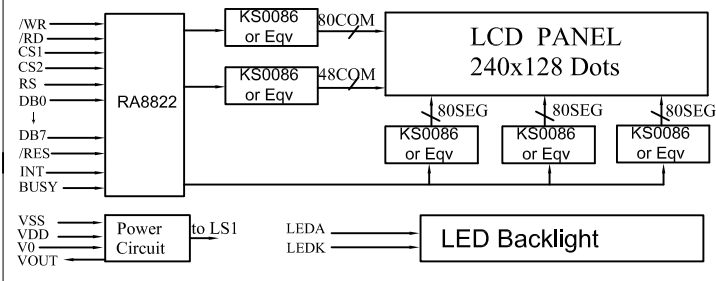
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	144.0×104.0×13.3	mm	Reference Dimensional Outline
View Area(W×H)	114.0×64.0	mm	
Effective V/Area	107.95×57.55	mm	
Number of Dots	240×128	-	
Dot Pitch(W×H)	0.45×0.45	mm	
Dot Size(W×H)	0.40×0.40	mm	
Weight (Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V _{DD}	Ta=25°C	-0.3V	7V
LCD Voltage	V _{LCD}		-0.3V	25V
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 DIAGRAMMECHANICAL



6.CPU INTERFACE

ITEM	SYMBOL		LEVEL	FUNCTIONS
	J1	J2		
1,3	1	VSS	0V	Power Ground
2,4	2	VDD	+5.0V	Power supply for logic
5	3	V0	—	Contrast adjust
6	4	RS	H/L	H:data L:command
7	5	/WR	L	Write signal
8	6	/RD	L	Read signal
9	7	/CS1	L	When /CS1=L,CS2=H, RA8822 is selected
10	8	CS2	H	
11	9	BUSY	H/L	Busy signal
12	10	INT	H/L	Interrupt signal
13	11	/REST	L	Reset signal
14-21	12-19	DB0-DB7	H/L	Data Bus
22	20	VOUT	—	Output voltage for LCD driving
23	21	LEDA	+5V	Power supply for LED backlight
24	22	LEDK	0V	

5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25°C				
Forward Voltage	V _f	4.05	4.25	V
Forward Current	I _f	720	—	mA
Emission Wave Length	λ _p	568	—	nm

8.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25°C					
Logic Power	V _{DD}	4.5	5	5.5	V
Input High Voltage	V _{IH}	V _{DD} -2.2	—	V _{DD}	V
Input Low Voltage	V _{IL}	0	—	0.8	V
Output High Voltage	V _{OH}	V _{DD} -0.3	—	V _{DD}	V
Output Low Voltage	V _{OL}	0	—	0.3	V
Logic Current	I _{DD}	—	—	30	mA
Operation Voltage For LCD	V _{DD} -V ₀	—	18	—	V

7.KEYBOARD INTERFACE

J3	SYMBOL	LEVEL	FUNCTIONS
1-8	KC0-KC7	H/L	Key pad output
9-16	KR0-KR7	H/L	Key pad input