TVG162-1 (16 chracters x 2)

1.DIMENSION OUTLINE
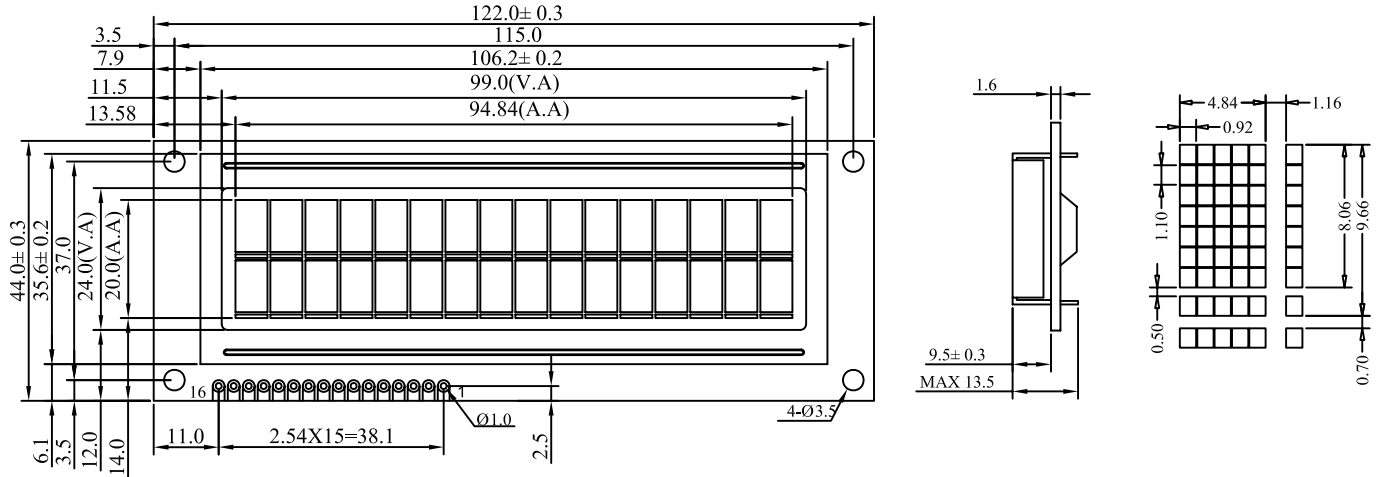

2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Modeule Size(L×W×H)	122.0×44.0×13.5	mm	
View Area(W×H)	99.0×24.0	mm	
Effective V/Area	94.84×20.0	mm	Reference Dimensional Outline
Number of Characters	16CH×2Lines	-	
Character Size(W×H)	4.84×9.66	mm	
Dot Size(W×H)	0.92×1.10	mm	
Weight(Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V_{DD}		-0.3V	7V
LCD Voltage	V_{LCD}	Ta=25℃	-0.3V	13V
Input Voltage	V_I		-0.3V	V_{DD}+0.3V
Operation Temperature	T_{OP}		—	-20℃	70℃
Storage Temperature	V_{OP}		—	-30℃	80℃

4.BLOCK DIAGRAMMECHANICAL
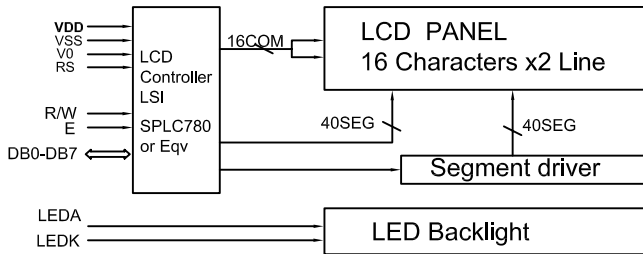
5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃				
Forward Voltage	Vf	4.1	4.3	V
Forward Current	If	240	—	mA
Emission Vave Length	λP	568	—	nm

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	LEDA	+5V	Power supply For LED Backlight
2	LEDK	0V	
3	VSS	0V	Power Ground
4	VDD	+5V	Power Supply For Logic
5	V0	—	Contrast adjust
6	RS	H/L	H:data L:command
7	R/W	H/L	H:read L:write
8	E	H. H→L	Enable singnal
9-16	DB0-DB7	H/L	Data Bus

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Ta=25℃					
Logic Power	V_{DD}	4.5	5	5.5	V
Input High Voltage	V_{IH}	2.2	—	V_{DD}	V
Input Low Voltage	V_{IL}	-0.3	—	0.8	V
Output High Voltage	V_{OH}	2.4	—	V_{DD}	V
Output Low Voltage	V_{OL}	0	—	0.4	V
Logic Current	I_{DD}	—	1.2	3.0	mA
Operation Voltage For LCD	$V_{DD}-V_O$	—	4.6	—	V