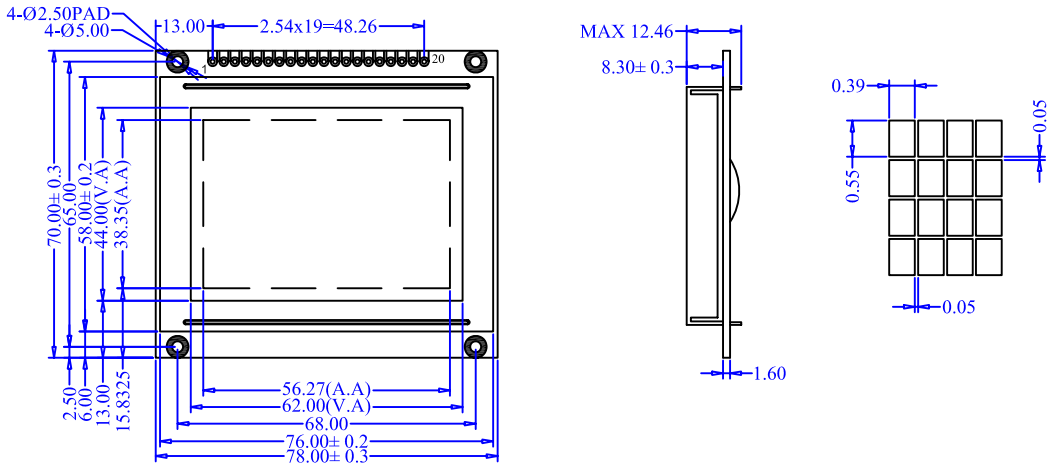
DJM12864E vb(128x64 DOTS) 1/64DUTY, 1/9BIAS

1.DIMENSION OUTLINE



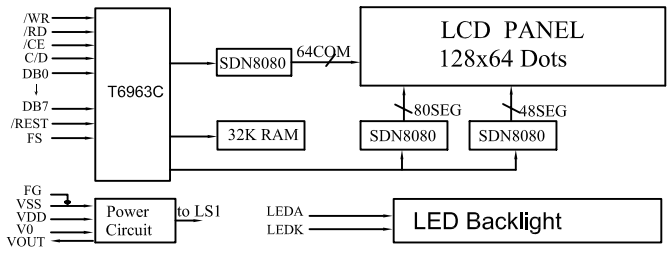
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	78.0×70.0×12.5	mm	Reference Dimensional Outline
View Area(L×W)	62.0×44.0	mm	
Effective V/Area(L×W)	56.27×38.35	mm	
Number of Characters	128×64	-	
Dot Pitch(L×W)	0.44×0.60	mm	
Dot Size(L×W)	0.39×0.55	mm	
Weight (Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V_{DD}	Ta=25℃	-0.3V	5.7V
LCD Voltage	V_{LCD}		-0.3V	14V
Input Voltage	V_I		-0.3V	V_{DD}+0.3V
Operation Temperature	T_{OP}	—	-20℃	70℃
Storage Temperature	T_{ST}	—	-30℃	80℃

4.BLOCK DIAGRAM MECHANICAL



5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃				
Forward Voltage	V_f	4.05	4.25	V
Forward Current	I_f	150	—	mA
Emission Vave Length	λ_P	568	—	nm
Forward Voltage	V_f	3.0	3.1	V
Forward Current	I_f	60	—	mA
Emission Vave Length	λ_P	—	—	nm

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	FG	—	Frame Ground
2	VSS	0V	Power Ground
3	VDD	+5V	Power Supply For Logic
4	V0	—	Contrast Adjust
5	/WR	L	Write Signal
6	/RD	L	Read Signal
7	/CE	L	Chip Enable Signal
8	C/D	H/L	H:command L:data
9	/REST	L	Reset Signal
10-17	DB0-DB7	H/L	Data Bus
18	FS	H/L	Font Selection L:8x8 H:6x8
19	LEDA	+5V	Power Supply For LED Backlight
20	LEDK	0V	

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}	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}	—	15	25	mA
Operation Voltage For LCD	V_{DD}-V_0	—	18	—	V