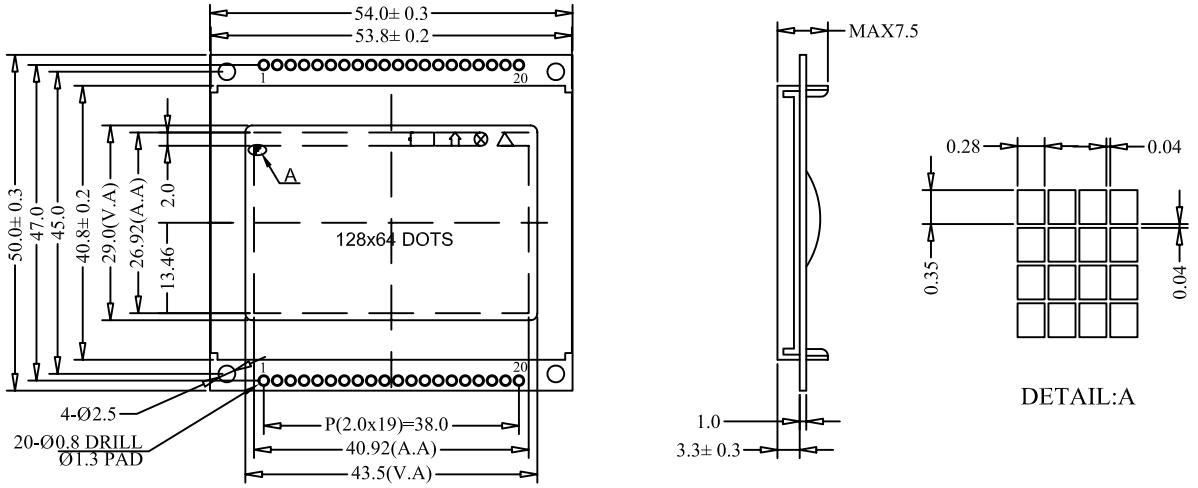
SCY12864F (128x64 DOTS) 1/64DUTY, 1/9BIAS

1.DIMENSION OUTLINE



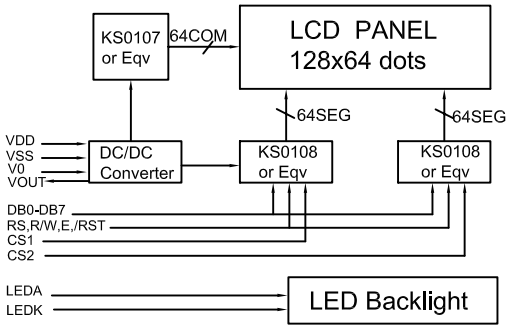
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Modeule Size(L×W×H)	54.0×50.0×7.5	mm	Reference Dimensional Outline
View Area(W×H)	43.5×29.0	mm	
Effective V/Area	40.92×26.92	mm	
Number of Characters	128×64	-	
Dot Pitch(W×H)	0.32×0.39	mm	
Dot Size(W×H)	0.28×0.35	mm	
Weight (Reflective/Led)	-	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V_{DD}	Ta=25℃	-0.3V	7V
LCD Voltage	V_{LCD}		-0.3V	10.5V
Input Voltage	V_I		-0.3V	V_{DD}+0.3V
Operation Temperature	T_{OP}	—	-20℃	70℃
Storage Temperature	T_{St}	—	-30℃	80℃

4.BLOCK DIAGRAMMECHANICAL



5.LED BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
Ta=25℃, EL Backlight				
Input Voltage	V_{EL}	3	—	V
Input Frequency	f_{el}	400	—	Hz
Forward Current	I_{EL}	60	—	mA

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS	
1	VSS	0V	Power Ground	
2	VDD	+5V	Power supply for logic	
3	V0	—	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	
15	CS1	H	Chip selection IC1	
16	CS2	H	Chip selection IC2	
17	/RST	L	Reset signal	
18	VOUT	—	Output voltage for LCD driving	
19	EL/BLA	—/5V	EL Enable singal	Backlight Power Supply When Using LED Backlight
20	NC/BLK	—/0V	No Connection	

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}	0.8VDD	—	V_{DD}	V
Input Low Voltage	V_{IL}	VSS	—	0.8	V
Output High Voltage	V_{OH}	2.4	—	—	V
Output Low Voltage	V_{OL}	0	—	0.4	V
Logic Current	I_{DD}	—	6	8	mA
Operation Voltage For LCD	V_{DD}-V0	—	8	—	V