QC12864B

① PHYSICAL DIMENSION

Display Format
128X64 DOTS
Driving Method
1/32 Duty
1/6 Bias
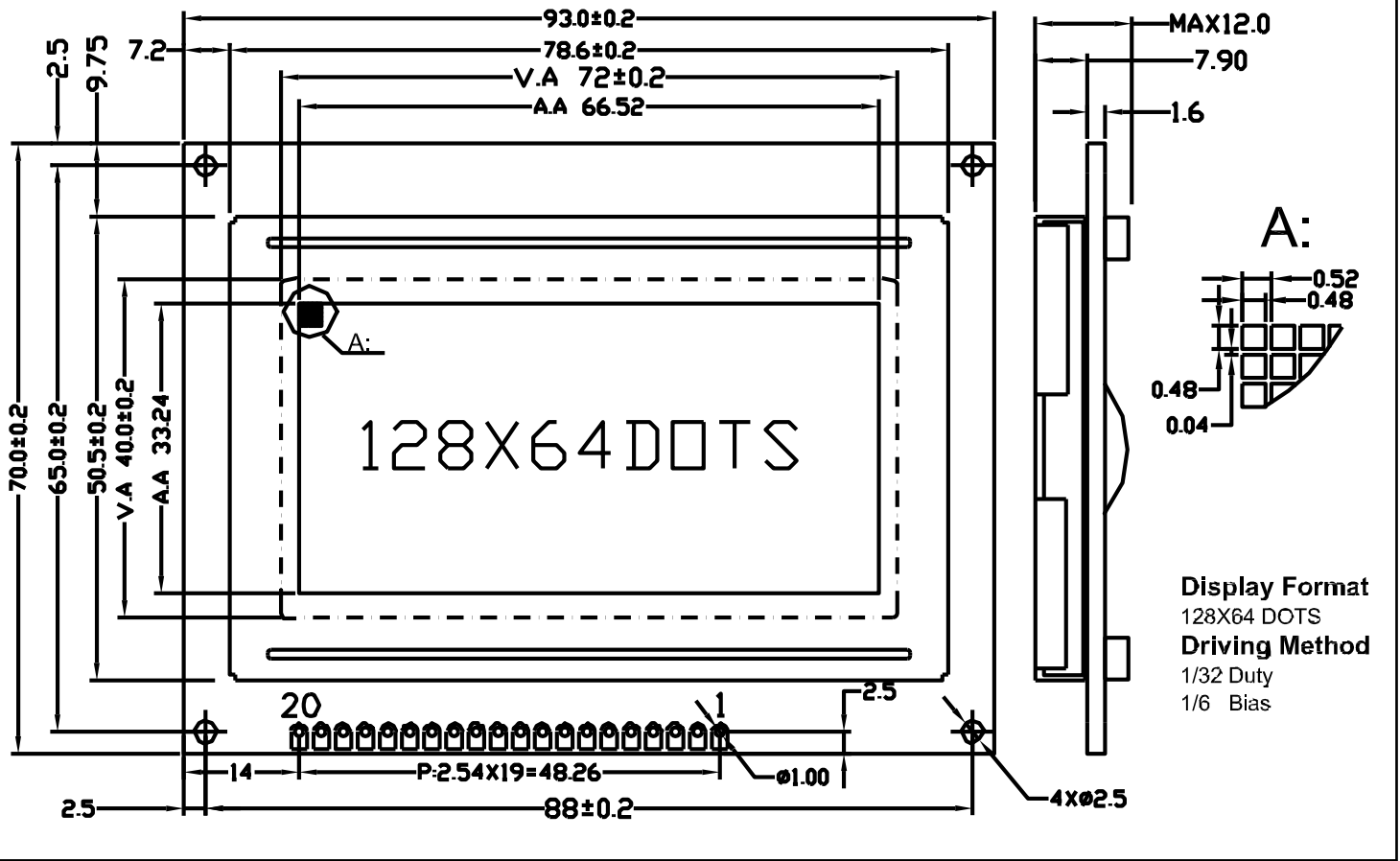
② MECHANICAL DATA

ITEM	SPECFICATION	UNIT
Module Size With B/L (W X H X T)	93.0 X 70.0 X 12	mm
Viewing Area (W X H)	72.0 X 40.0	mm
Number of Dots (W X H)	128 X 64	dots
Dot Pitch (W X H)	0.52 X 0.52	mm
Dot Size (W X H)	0.48 X 0.48	mm
Weight	80.0 (With B/L)	g

④ BLOCK DIAGRAM

VSS
VDD
RS
R/W
E
DB0
DB7
PSB
RES
VOUT

ST7920

COM32
SEG64

LCD PANEL

SEG96   SEG96

ST7921   ST7921

LED+
LED-

LED BACKLIGHT
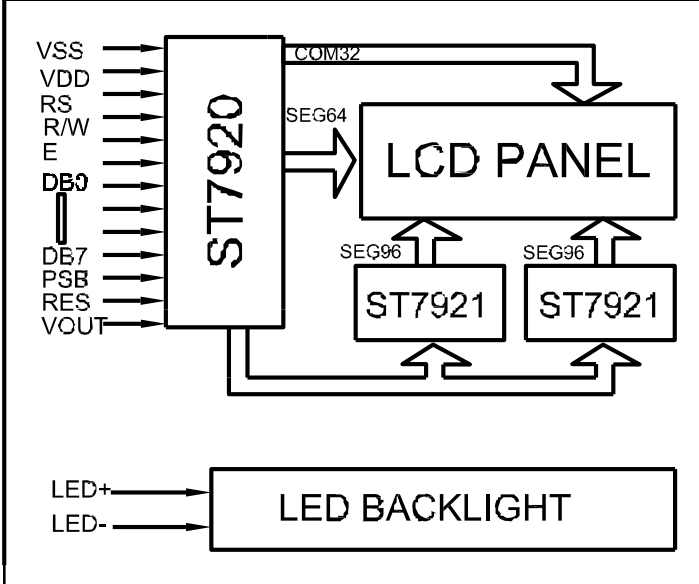
③ PIN CONFIGURATION

ITEM	SYMBOL		DESCRIPTION	
1	VSS	VSS	Power ground	
2	VCC	VCC	Power positive (+5V+10%).	
3	NC/V0	NC/V0	No Connect /Negative voltage Supply for LCD	
4	RS	CS	H:Data L:Instruction Code	Serial Chip Select
5	R/W	SID	H:Read L:Write	Serial Data
6	E	SCLK	Enable trigger.	Serial Clock
7 ... 14	DB0 ... DB7	NC	Data bus [0~7].There state I/O common terminal.	No Connect
15	PSB	PSB	H: Parallel mode	L: Serial mode
16	NC	NC	No Connect	No Connect
17	RST	RST	System reset low active.	System reset low active.
18	NC/VEE	NC/VEE	No Connect /Negative voltage output	
19	LED_A	LED_A	Backlight Anode(+5V) .	
20	LED_K	LED_K	Backlight Cathode(0V).	

⑤ ABSOLUTE MAXIMUM RATINGS (25°C)

PARAMETER	SYMBOL	MIN.	MAX.	UNIT
SUPPLY VOLTAGE LOGIC	VDD	0	5.5	V
SUPPLY VOLTAGE DRIVER	V0-GND	0	15	V
INPUT VOLTAGE	VIN	0	VDD	V