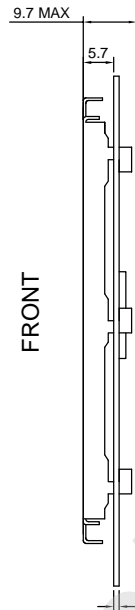
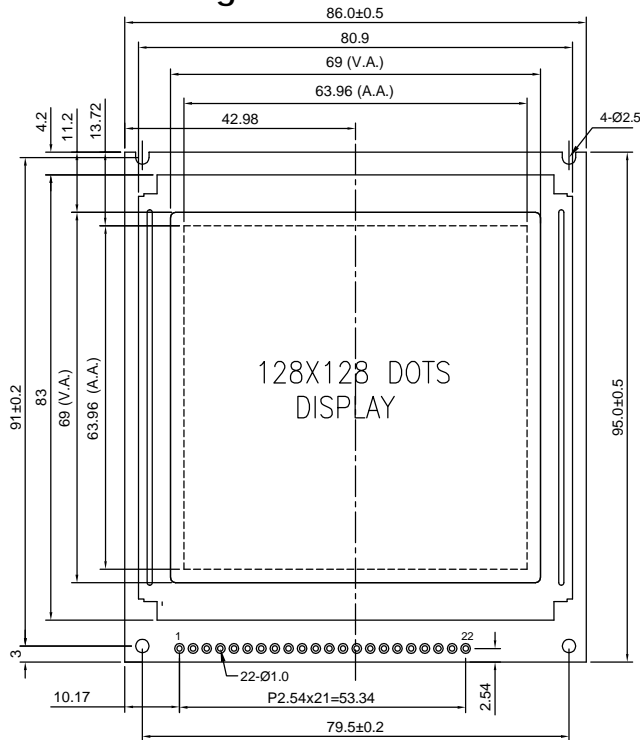
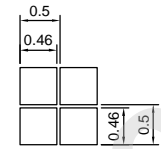


Dimension Drawing



BACK



DOTS DETAIL

With LED B/L

TOLERANCES UNLESS OTHERWISE STATED
X.X ±0.20 X.XX ±0.10 UNIT: mm

Feature:

1. 128 x 128 Dots graphic display
2. Built-in controller(RA8835P or equivalent)
3. +5V Power supply(also available for +3.3V)
4. 1/128 Duty cycle
5. STN or FSTN Mode
6. Internal character generator font
7. Match all kind colors of LED back light
8. ROHS compliant

Interface Pin Connections

PIN NO.	Symbol	Function
1	/RST	Reset signal
2	/RD	Read enable signal
3	/WR	Write enable signal
4	SEL2	SEL1 = 0 SEL2 = 0 Interface:8080 family;
5	SEL1	SEL1 = 1 SEL2 = 0 Interface:6800 family;
6	/CS	Chip enable signal
7	A0	H → Data L → Instruction
8	DB0	H/L Data bus line
9	DB1	H/L Data bus line
10	DB2	H/L Data bus line
11	DB3	H/L Data bus line
12	DB4	H/L Data bus line
13	DB5	H/L Data bus line
14	DB6	H/L Data bus line
15	DB7	H/L Data bus line
16	VDD	+5V or +3.3V
17	VSS	GND
18	V0	Contrast adjustment
19	VEE	Negative voltage output
20	DISPOFFB	Display on/off control terminal
21	LEDA	Power supply for B/L(LED+)
22	LEDK	Power supply for B/L(LED-)

Mechanical Data

Item	Standard	Unit
Module dimension	86.0 x 95.0	mm
Viewing area	79.5 x 91.0	mm
Mounting hole	99.0 x 85.0	mm
Dots size	0.46 x 0.46	mm

Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	7.0	V
Input voltage	VI	-0.3	---	VDD+0.3	

Electronical Characteristics

Item	Symbol	Condition	Standard			Unit	
			Min	Typ	Max		
Input voltage	VDD	+5.0V	4.5	5.0	5.5	V	
		+3.3V	2.7	3.3	4.5		
Supply current	I _{DD}	VDD=5V	----	----	0.5	mA	
Recommended LCD driving voltage for normal temp version module	VDD-V0 (VDD=5V)	-20 °C	16.1	16.1	16.3	V	
		0 °C	15.7	15.9	16.1		
		25 °C	15.5	15.7	15.9		
		50 °C	15.3	15.5	15.7		
LED forward voltage	V _F	25 °C	----	3.0	3.3	V	
LED forward current	I _F	25 °C	Array	----	400	----	mA
			Edge	----	60	80	
EL power supply	I _{EL}	V _{EL} =110V AC 400Hz	----	----	5.0	mA	