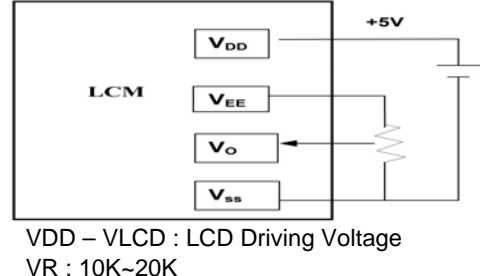
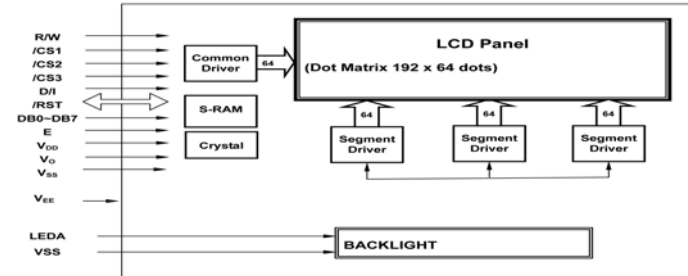
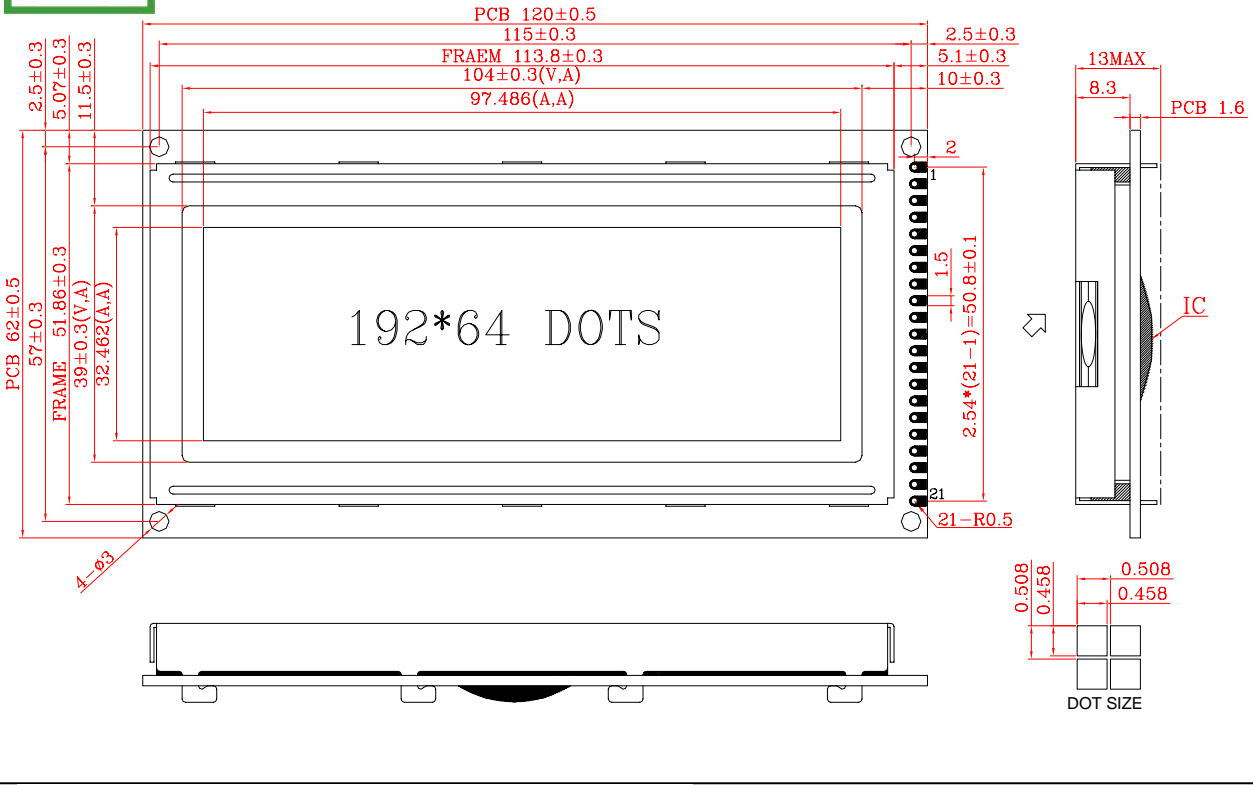


RoHS



Interface		
Pin no	Symbol	Function
1	VSS	Power supply (GND)
2	VDD	Power supply(+)
3	VO	Contrast Adjustment
4	VEE	Power supply voltage for LCD
5	RS	Data / Instruction select
6	R/W	Read / Write select
7	E	Enable Signal
8	DB0	Date bus line
9	DB1	Date bus line
10	DB2	Date bus line
11	DB3	Date bus line
12	DB4	Date bus line
13	DB5	Date bus line
14	DB6	Date bus line
15	DB7	Date bus line
16	CS1	L→Chip1 Enable
17	CS2	L→Chip2 Enable
18	CS3	L→Chip3 Enable
19	RES	Reset signal.
20	LEDA	LED B/L (+)
21	LEDK	LED B/L (-)

Feature			
Controller	KS0108BX3	Module	120 x 62
Duty	1/64 duty	Viewing Area	104 x 39
Bias	1/9 bias	Mounting hole	115 x 57
B/L	Y/G	Character Size	0.458 x 0.458

Absolute Maximum Rating					
Item	Symbol	Condition	Min	Max	Units
Supply for logic voltage	V _{DD} -V _{SS}	25°C	-0.3	7	V
LCD driving supply voltage	V _{DD} -V _{SS}	25°C	-0.3	13	V
Input voltage	V _{IN}	25°C	-0.3	V _{DD} +0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	V _{DD} -V _{SS}	25°C	4.5	-	5.5	V
LCD operation voltage	V _{OP}	25°C	-	18.5	-	V
LED Forward Voltage	V _F	25°C	-	4.2	-	V
LED Forward Current	I _F	25°C	-	510	-	mA