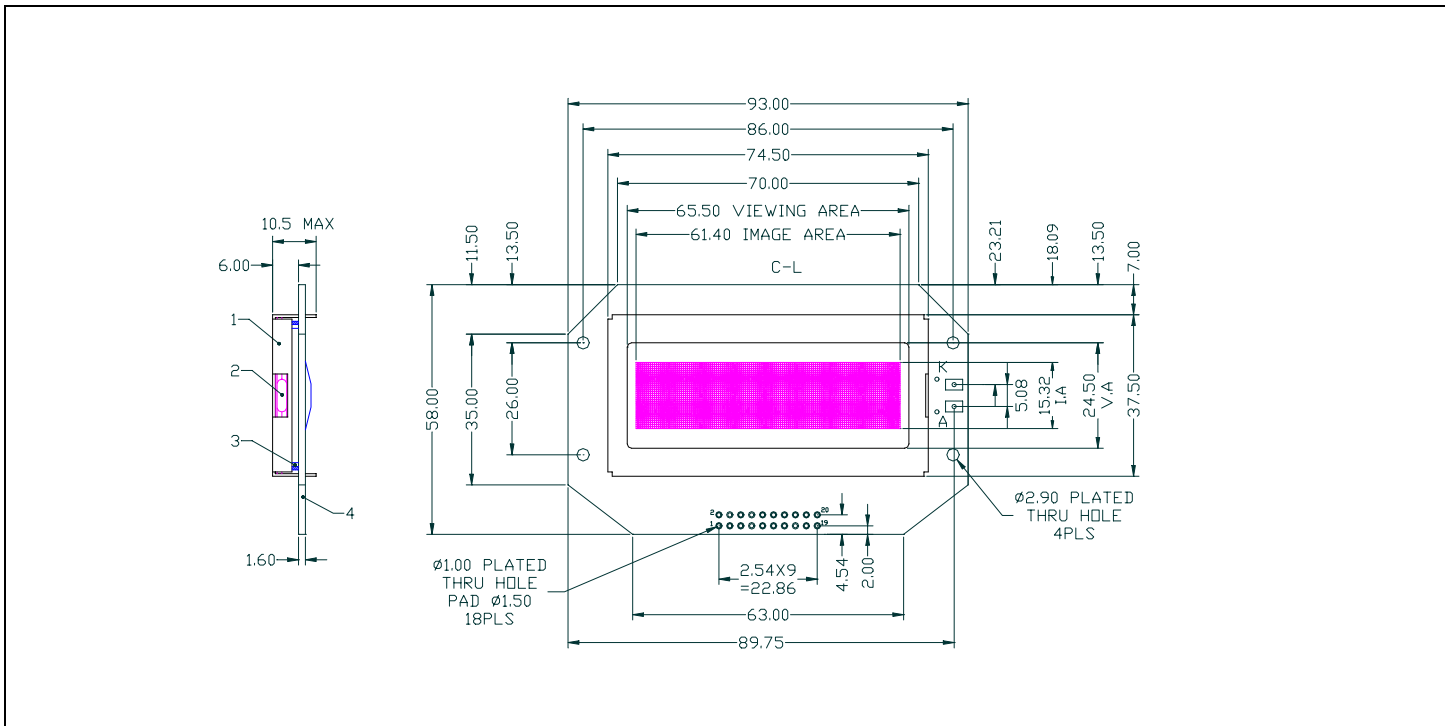


Specification

ITEM	Standard Value	Unit
Number of dots	128 x 32 Dots	-
Module Dimension	93.0(W) x 58.0(H) x 10.5(T)	mm
Viewing Area	65.5 (W) x 24.5 (H)	mm
Dot Size	0.44 (W) x 0.44 (H)	mm
Dot Pitch	0.48 (W) x 0.48 (H)	mm
LCD Type	STN	
Driver Method	1/64 Duty , 1/9 Bias	
Viewing Direction	6 O'clock	
Controller IC	KS0108 (Equivalent)	

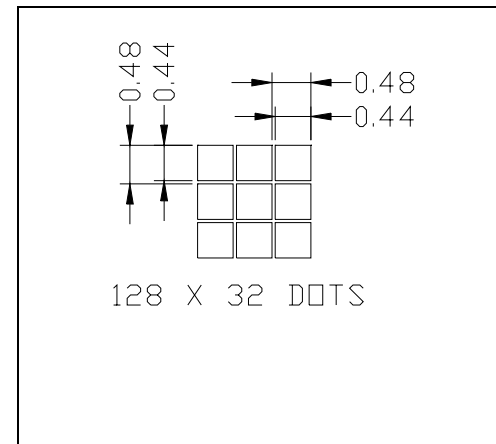
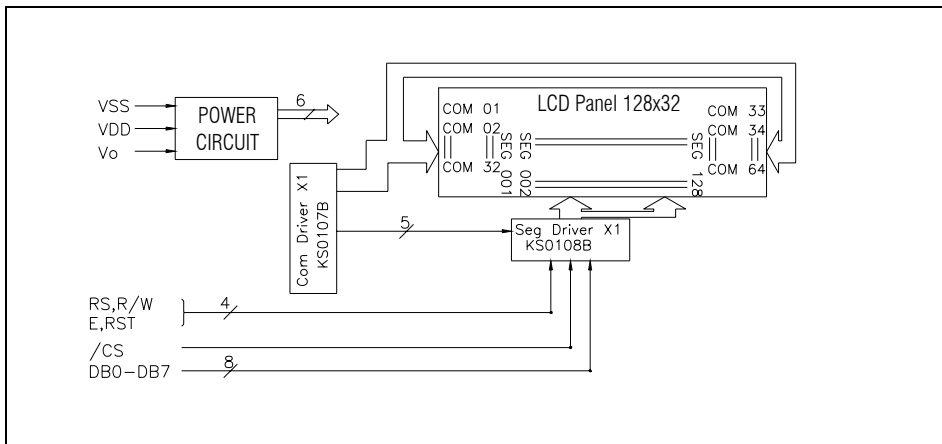
Mechanical Figure

Unit: mm



Block Diagram

Dots Size Unit: mm



Pin Assignment

Pin Assignment				Value			
Pin	Symbol	Level	Function	MIN.	TYP.	MAX.	Unit
1	V <sub>dd</sub>	+5V	Power Supply (+5V)	4.5	5.0	5.5	V
2	V <sub>SS</sub>	0V	Power Supply (GND)	-	0	-	V
3	E	H/L	Enable Signal				
4	RS	H/L	Data or Instruction				
5	R/W	H/L	Data Read/Write				
6	RST	H/L	Reset Signal				
7	/CS	L	Chip select signal				
8	DB7	H/L	Data Bus				
9	DB6	H/L					
10	DB5	H/L					
11	DB4	H/L					
12	DB3	H/L					
13	DB2	H/L					
14	DB1	H/L					
15	DB0	H/L					
16	NC						
17	LED+	-	Power Supply For LED Backlight(+)	-	4.2	-	V
18	LED-	-	Power Supply For LED Backlight(-)	-	0	-	V
19	V0	-	Contrast Adjust Voltage				
20	VEE	-5V	Output voltage for LCD				