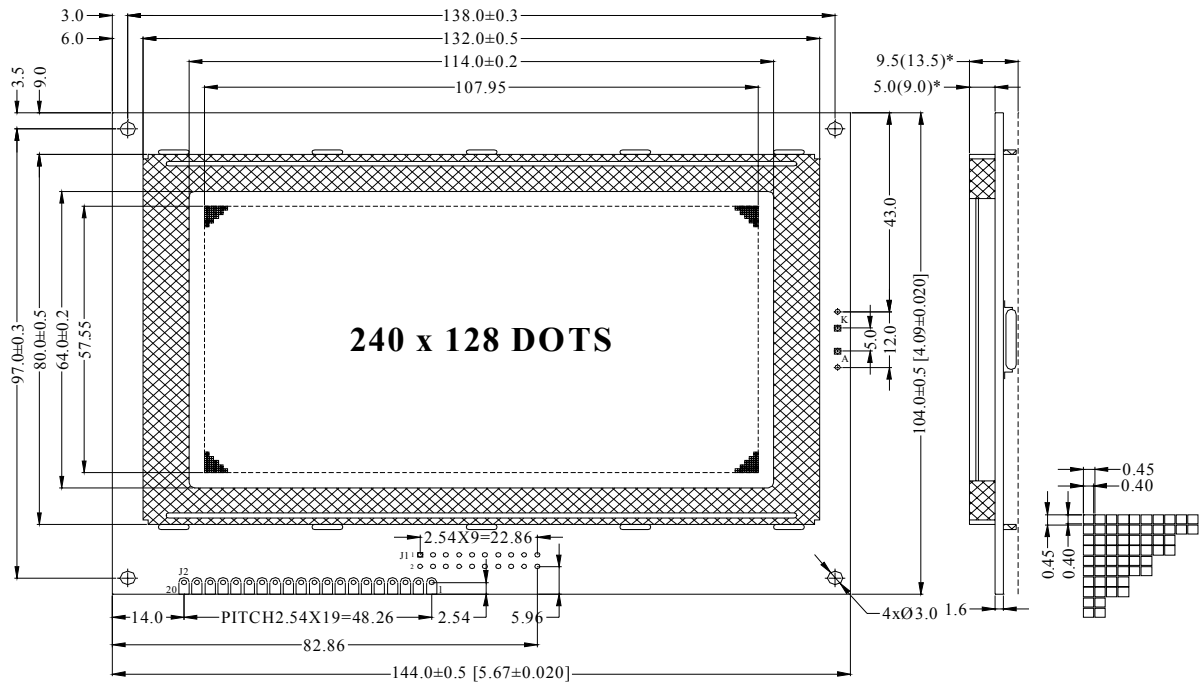


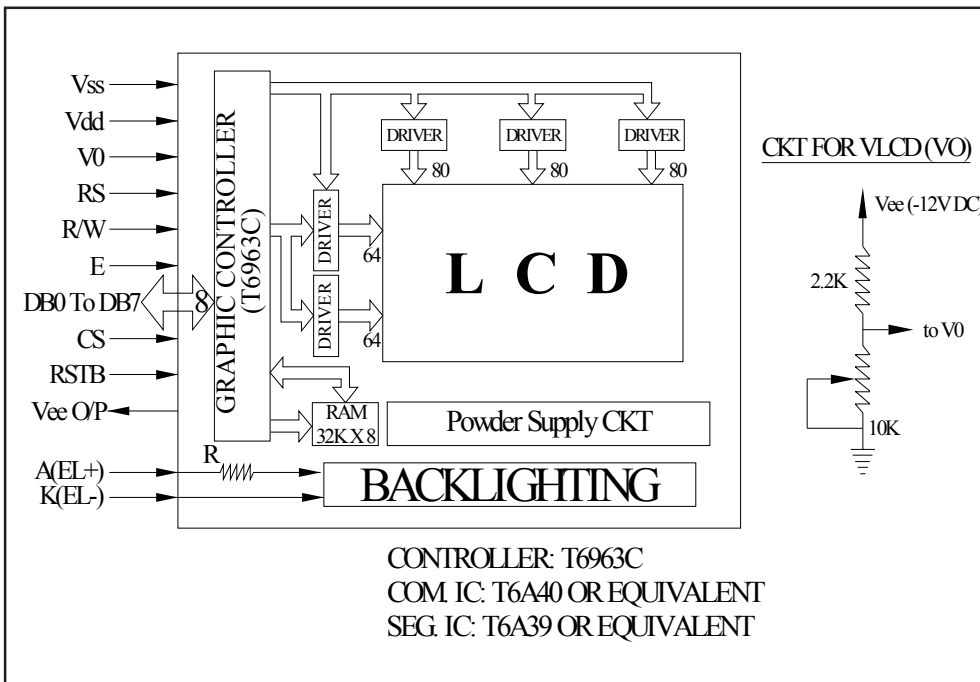
## LG241282 [240 x 128, 1/128 MUX]

DIMENSION IN MM



[\* ] DIMENSIONS FOR LED BACKLIGHT VERSION

### BLOCK DIAGRAM



### PIN DETAILS

PIN No.		DESCRIPTION
J1	J2	
1	1	Gnd
2	2	Vcc
3	3	Vo (Vlcd)
4	4	C/D
5	5	RD
6	6	WR
7	7	DB0
8	8	DB1
9	9	DB2
10	11	DB3
11	11	DB4
12	12	DB5
13	13	DB6
14	14	DB7
15	15	CE
16	16	RESET
17	17	Vee O/P
18	18	FS1
19	19	A(LED) / EL+
20	20	K(LED) / EL-

### TABULATED DATA

MODEL	DISPLAY FORMAT DOT. x DOT	DRIVING DUTY	DOT PITCH W x H	DOT SIZE W x H	VIEWING AREA W x H	MODULE SIZE W x H
<b>LG241282</b>	240 x 128	1/128	0.45 x 0.45	0.40 x 0.40	114.0 x 64.0	144.0 x 104.0

## LG241282 [240 x 128, 1/128 MUX]

### ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Power Supply for Logic	$V_{dd}-V_{ss}$	$T_a = 25^\circ\text{C}$	0	-	6.7	V
Input Voltage	V	$T_a = 25^\circ\text{C}$	0	-	V <sub>dd</sub>	V
Operating Voltage for LCD	$V_{dd}-V_o$	$T_a = 25^\circ\text{C}$	0	-	- 12	V
Operating Temperature	$T_{op}$	-	-15	-	+ 65	°C
Storage Temperature	$T_{st}$	-	- 20	-	+ 70	°C

### ELECTRICAL DATA ( $T_a = 25^\circ\text{C}$ , $V_{dd} = +5\text{V} \pm 0.25\text{V}$ )

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Input High Voltage	$V_{iH}$	-	2.4	-	V <sub>dd</sub>	V
Input Low Voltage	$V_{iL}$	-	V <sub>ss</sub>	-	0.7	V
Output High Voltage	$V_{oH}$	- $I_{oH} = 0.6\text{mA}$	V <sub>dd</sub> -0.4	-	V <sub>dd</sub>	V
Output Low Voltage	$V_{oL}$	- $I_{oL} = 1.6\text{mA}$	-	-	0.4	V
Supply Current	$I_{dd}$	$V_{dd} = 5.0\text{V}$	-	14.0	25.0	mA
Operating Voltage for LCD	$V_{dd}-V_o$	$T_a = 0^\circ\text{C}$	- 5.2	-12.2	- 16.0	V
		$T_a = 25^\circ\text{C}$	- 4.8	-10.2	- 14.2	V
LED Backlight Current	$I_{LED}$	$V_{dd} = 5.0\text{V}$	150	180	240	mA

### NOTE

**RAM SIZE**      **DISPLAY MODE**  
 32K            : Character & Graphic

#### Other Details:

For details relating to the Initialization, Instruction Set, Timing Diagram, Please refer to the LCD Controller (T6963C) Datasheet.

#### Ordering Details:

Different Grades & Options are available in this LCD Module.  
 Please contact us at the time of ordering for the ordering Codes.