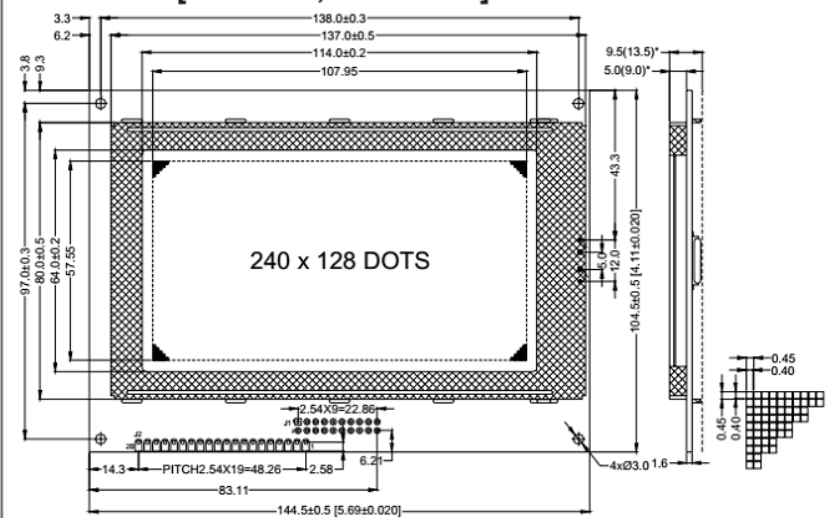
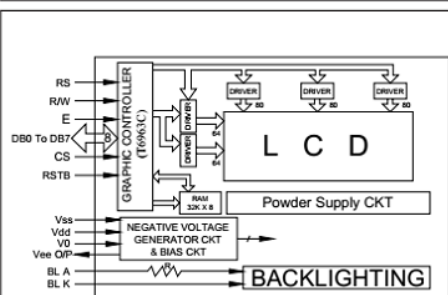


## LG241282B [240 x 128, 1/128 MUX]

DIMENSION IN MM



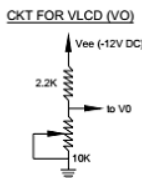
### BLOCK DIAGRAM



CONTROLLER: T6963C  
COM. IC: T6A40 OR EQUIVALENT  
SEG. IC: T6A39 OR EQUIVALENT

### PIN DETAILS

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



### TABULATED DATA

MODEL	DISPLAY FORMAT DOT x DOT	DRIVING DUTY	DOT SIZE W x H	DOT PITCH W x H	VIEWING AREA W x H	PCB SIZE W x H
LG241282	240 x 128	1/128	0.40 x 0.40	0.45 x 0.45	114.0 x 64.0	144.5 x 104.5

LAMPEx reserves all rights. Specification might alter without prior notice.

CAUTION: STATIC SENSITIVE DEVICES

### ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Power Supply for Logic	V <sub>dd</sub> -V <sub>ss</sub>	T <sub>a</sub> = 25°C	0	-	6.7	V
Input Voltage	V	T <sub>a</sub> = 25°C	0	-	V <sub>dd</sub>	V
Operating Voltage for LCD	V <sub>dd</sub> -V <sub>ee</sub>	T <sub>a</sub> = 25°C	0	-	- 12	V
Operating Temperature	T <sub>op</sub>	-	-15	-	+ 65	°C
Storage Temperature	T <sub>st</sub>	-	- 20	-	+ 70	°C

### ELECTRICAL DATA (T<sub>a</sub> = 25°C, V<sub>dd</sub> = +5V ± 0.25V)

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Input High Voltage	V <sub>IH</sub>	-	2.4	-	V <sub>dd</sub>	V
Input Low Voltage	V <sub>IL</sub>	-	V <sub>ss</sub>	-	0.7	V
Output High Voltage	V <sub>OH</sub>	I <sub>OH</sub> = 0.6mA	V <sub>dd</sub> -0.4	-	V <sub>dd</sub>	V
Output Low Voltage	V <sub>OL</sub>	I <sub>OL</sub> = 1.6mA	-	-	0.4	V
Supply Current	I <sub>dd</sub>	V <sub>dd</sub> = 5.0V	-	14.0	25.0	mA
Operating Voltage for LCD	V <sub>dd</sub> -V <sub>out</sub>	T <sub>a</sub> = 0°C	-5.2	-12.2	-16.0	V
		T <sub>a</sub> = 25°C	-4.8	-10.2	-14.2	V
LED Backlight Current	I <sub>LED</sub>	V <sub>dd</sub> = 5.0V	150	180	240	mA

### NOTE

#### RAM OPTION:

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.