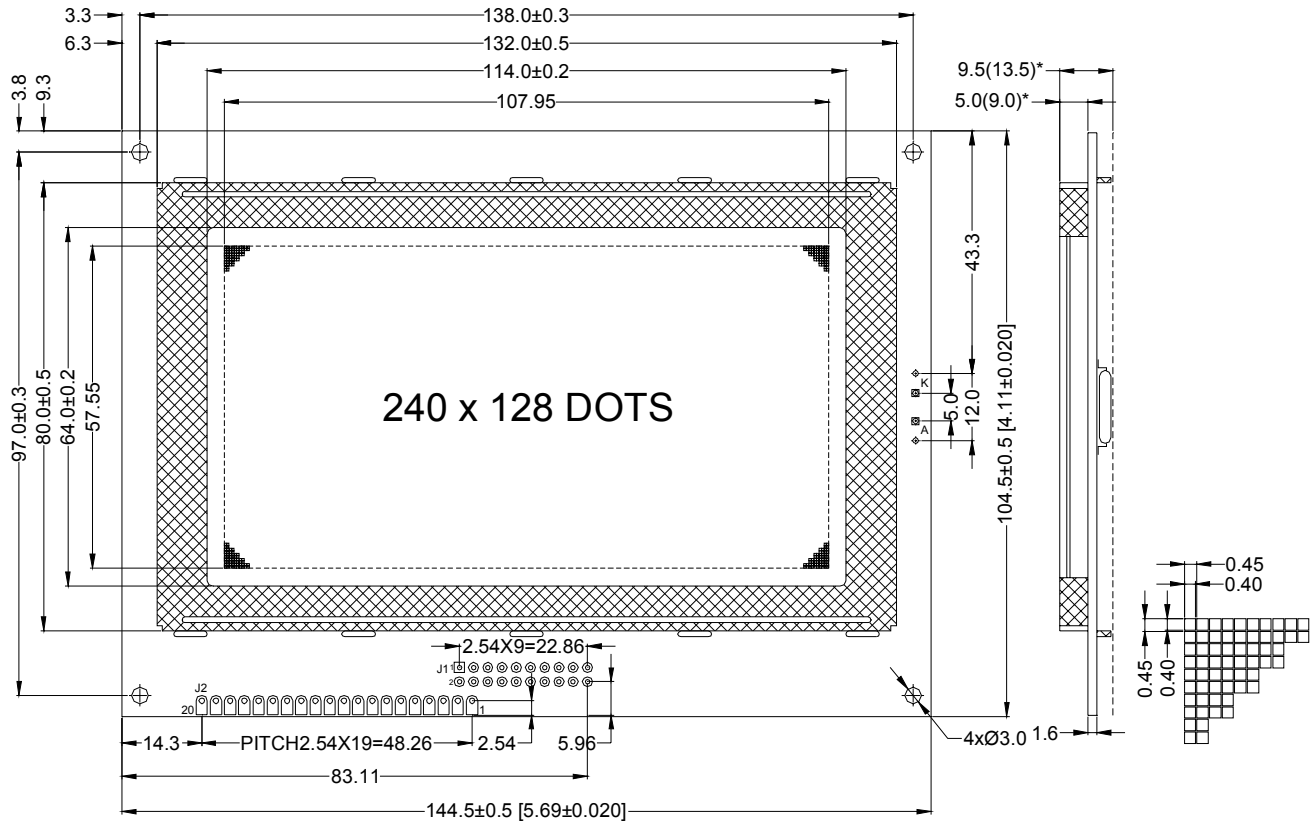


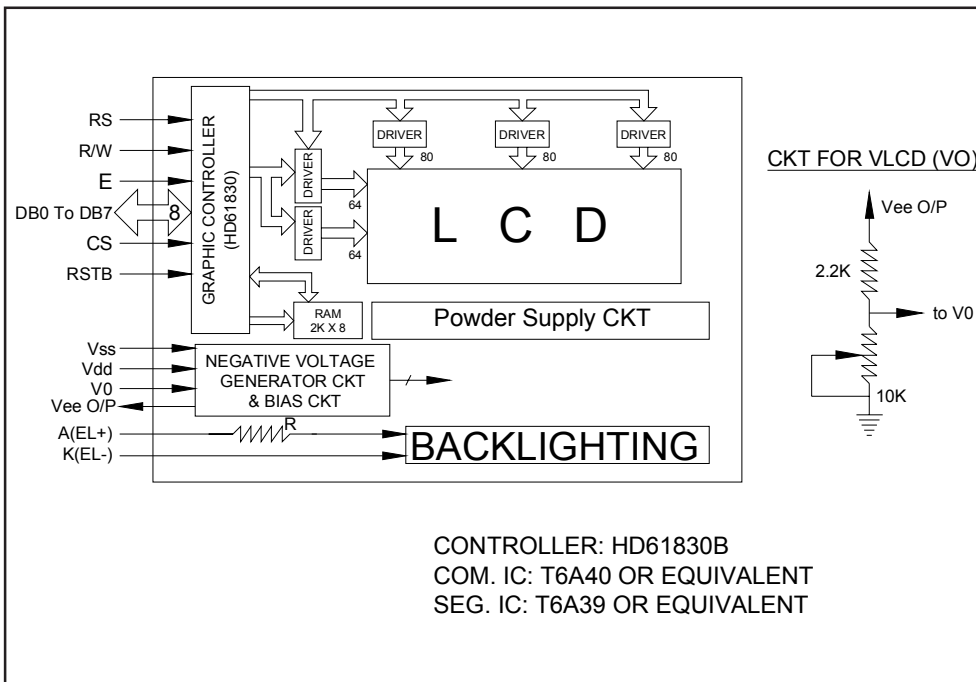
LG241281 [240 x 128, 1/128 MUX]

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	RS
5	5	R/W
6	6	E
7	7	DB0
8	8	DB1
9	9	DB2
10	10	DB3
11	11	DB4
12	12	DB5
13	13	DB6
14	14	DB7
15	15	CS
16	16	RSTB
17	17	Vee O/P
18	18	NC
19	19	A(LED)
20	20	K(LED)

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
LG241281	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

LG241281 [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 _{dd}	V
Operating Voltage for LCD	$V_{dd}-V_{ee}$	$T_a = 25^{\circ}\text{C}$	0	-	- 12	V
Operating Temperature	T_{op}	-	-15	-	+ 65	$^{\circ}\text{C}$
Storage Temperature	T_{st}	-	- 20	-	+ 70	$^{\circ}\text{C}$

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

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Input High Voltage	V_{iH}	-	2.4	-	V _{dd}	V
Input Low Voltage	V_{iL}	-	V _{ss}	-	0.7	V
Output High Voltage	V_{oH}	$I_{oH} = 0.6\text{mA}$	V _{dd} -0.4	-	V _{dd}	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	$V_{dd}-V_{out}$	$T_a = 0^{\circ}\text{C}$	-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}	$V_{dd} = 5.0\text{V}$	160	180	220	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 (HD61830B) Datasheet.

Ordering Details:

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