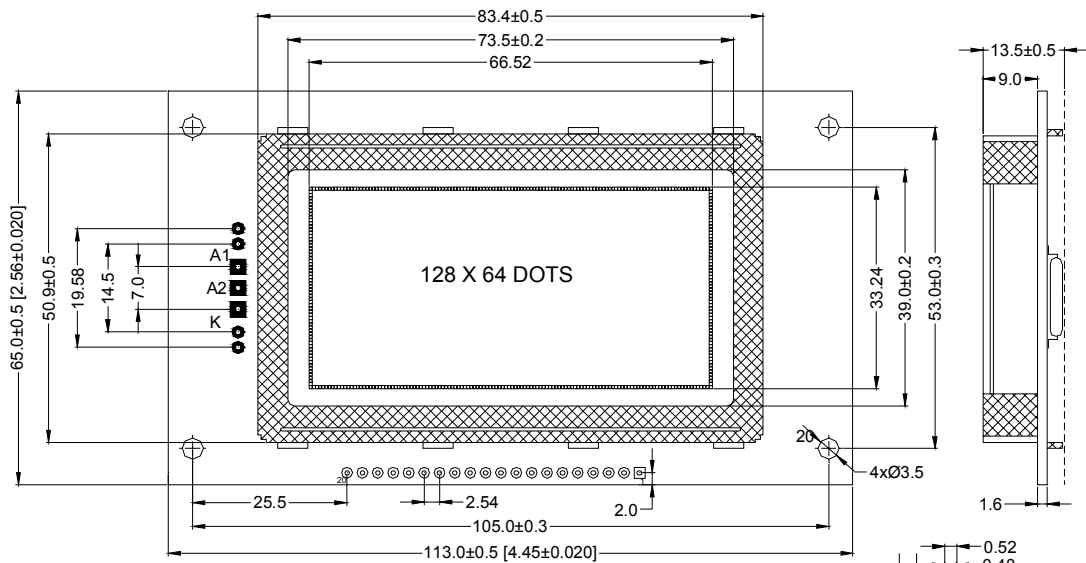
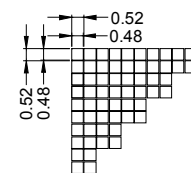
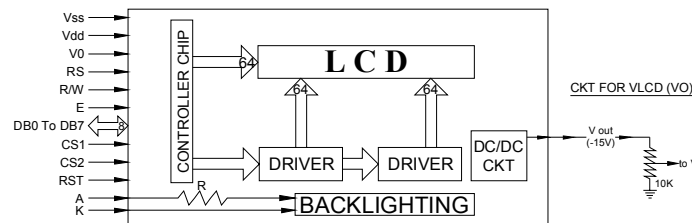


### LG128641 [128 x 64, 1/64 MUX]

DIMENSION IN MM



**BLOCK DIAGRAM**



A1 = Yellow Green  
A2 = Red or Orange

[ \* ] DIMENSIONS FOR LED BACKLIGHT VERSION

### 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
<b>LG128641</b>	128 x 64	1/64	0.48 x 0.48	0.52 x 0.52	73.5 x 39.0	113.0 x 65.0

### ELECTRICAL DATA (Ta = 25°C, Vdd = +5V + 0.25V)

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUES			UNITS
			MIN.	TYP.	MAX.	
Input High Voltage	V <sub>iH</sub>	-	0.7	-	V <sub>dd</sub>	V
Input Low Voltage	V <sub>iL</sub>	-	V <sub>SS</sub>	-	0.3	V
Output High Voltage	V <sub>oH</sub>	I <sub>oH</sub> = 0.2mA	2.4	-	-	V
Output Low Voltage	V <sub>oL</sub>	I <sub>oL</sub> = 1.2mA	-	-	0.4	V
Supply Current	I <sub>dd</sub>	V <sub>dd</sub> = 5.0V	-	3.6	6.0	mA
Operating Voltage for LCD	V <sub>dd</sub> -V <sub>out</sub>	Ta = 0°C	-9.6	-12.5	-14.8	V
		Ta = 25°C	-9.4	-12.2	-14.6	V
LED Backlight Current	I <sub>LED</sub>	V <sub>dd</sub> = 5.0V	90	120	150	mA

### PIN DETAILS

PIN No.	DESCRIPTION	PIN No.	DESCRIPTION	PIN No.	DESCRIPTION
1	Gnd	5	R / $\bar{W}$	16	$\overline{CS2}$
2	Vcc	6	E1	17	$\overline{RST}$
3	Vo	7 to 14	DB0 to DB7	18	-Vout (-15V)
4	RS	15	CS1	19 & 20	A1 & A2

### MAX. RATINGS

ITEM	MAX.
Top	-20 to +70°C
Tst	-30 to +80°C
V <sub>dd</sub>	+5Volts
RH %	85% @ +40°C

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**CAUTION: STATIC SENSITIVE DEVICES**