

## UNCONTROLLED DOCUMENT

### PART NUMBER LCM-S02002DSR10332

#### PIN CONFIGURATION

PIN NO.	SYMBOL	LEVEL	FUNCTION				
1	Vss	-	GND (OV)				
2	V <sub>DD</sub>	-	POWER SUPPLY 5V				
3	Va	-		FOR LCD DRIVE			
	RS	H/L	REGISTER SELECT SIGNAL				
4			H: DATA INPUT				
			L: INSTRUCTION INPUT				
5	R/W	H/L	H: DATA READ (MODULE>MPU)				
			L: DATA WRITE (MODULE<——MPU)				
6	E	H,H–>L	ENABLE				
7∾14	DBC~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.			
15	A	-	ANODE	LED BACKLIGHT			
16	К	-	CATHODE	LED BACKLIGHT			

SYMBOL

V<sub>DD</sub>-Vss

IDD

۷H

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V<sub>OH</sub>

VOL

٧f

lf

PD

L

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 $V_{DD}$ =4.7V to 5.3V, T<sub>A</sub>=25°C

CONDITION

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V<sub>DD</sub>=5V

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lf=210mA

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lf=210mA

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STANDARD VALUE

MIN, TYP. MAX.

5.0

2.0 3.0

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4.2

210

882

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VDD

0.Б

\_

0.4

4.Б

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2.2

D

2.4

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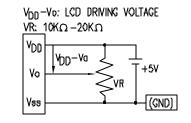
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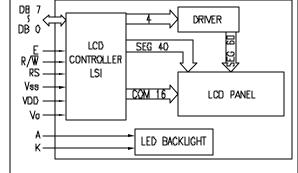
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# BLOCK DIAGRAM 20 x 2, 1/16 DUTY, 1/5 BIAS



UNIT				
V				
mA	ABSOLUTE MAXIMUM RATINGS			
V	ITEM SYMBOL	TEST	STANDARD VALUE	
V		CONDITION	MIN	MAX
V	SUPPLY VOLTAGE FOR LOGIC VDB-Ves	Ta=25°C	4.7	5.3
V	SUPPLY VOLTAGE FOR LCD DRIVE VDD-Vo	-	4.2 <b>0</b> 50°C	4.800°C
V	INPUT VOLTAGE VI	Ta=25°C	Vss	۷ <sub>DD</sub>
mA		LCM-S	0	50
mW	OPERATING TEMPERATURE Topr	LCM-H	-20	70
cd/m²	STORAGE TEMPERATURE Tsta	LCM-S	-20	70
nm	STORAGE TEMPERATURE Tstg	LCM-H	-30	85

POWER CUNSUMPTION

HIGH

LOW

HIGH

LOW

ELECTRICAL CHARACTERISTICS

SUPPLY VOLTAGE FOR LOGIC

SUPPLY CURRENT FOR LOGIC

VOLTAGE

CURRENT

LUMINOUS

COLOR

INPUT VOLTAGE

OUTPUT VOLTAGE

ITEM

\*LED

BACKLIGHT

UNCONTROLLED DOCUMENT \*UNLESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN = +DECIMAL PRECISION -DECIMAL PRECISION

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20 ×	5.55mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS, STN, REFLECTIVE,	RELIABILITY NOTE	DRAWN BY:		APPROVED BY:		
	WITH AMP HEADER P/N 103328-7 OR EQUIVALENT.	PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	CT			SCALE: N/A	

UNIT

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Authorized Distributor

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Lumex: LCM-S02002DSR10332