

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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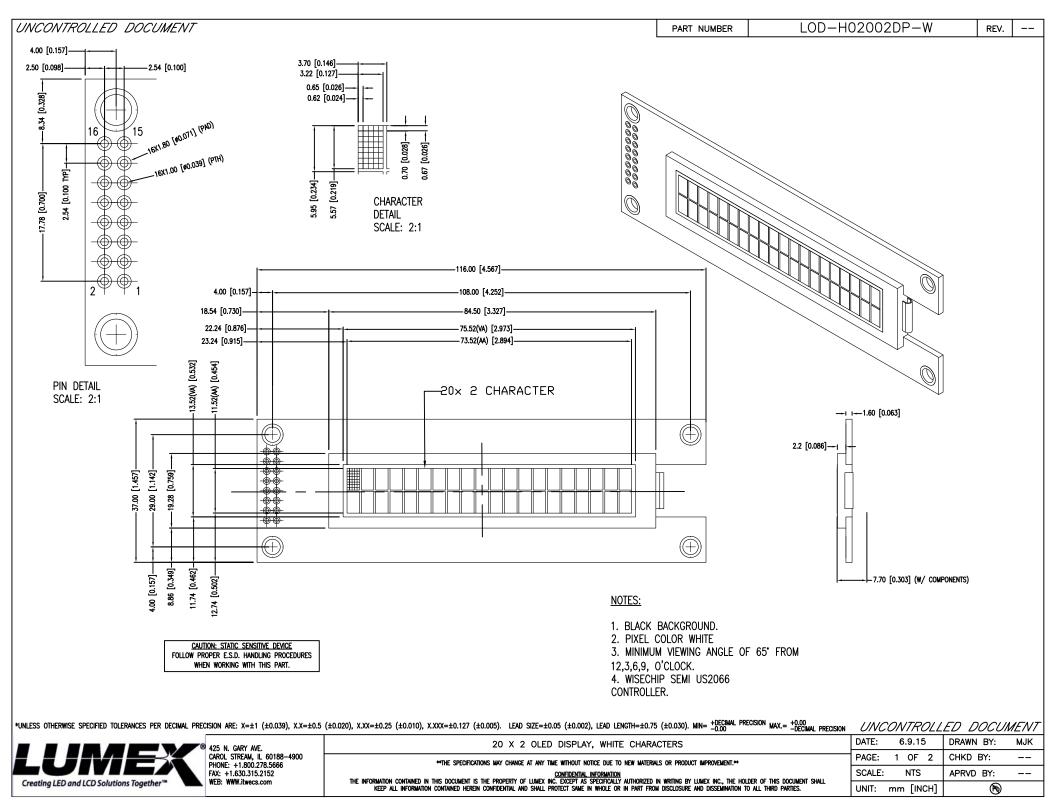
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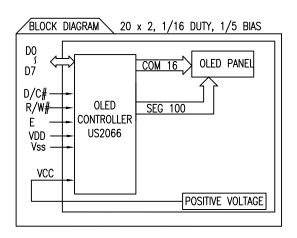






RT NUMBER	LOD-H02002DP-W	REV.	

PIN CONFIGURATION \									
PIN NO.	SYMBOL	LEVEL	DESCRIPTION						
1	Vss	0V	SUPPLY VOLTAGE FOR LOGIC GROUND						
2	V_{DD}	5.0V	SUPPLY VOLTAGE FOR LOGIC						
3	NC	_	_						
4	RS	H/L	H:DATA, L: INSTRUCTION CODE						
5	R/W	H/L	H:READ (MPU>MODULE);L:WRITE(MPU>MODULE)						
6	E	H,H→L	CHIP ENABLE SIGNAL						
7	DB0	H/L	DATA BIT 0						
8	DB1	H/L	DATA BIT 1						
9	DB2	H/L	DATA BIT 2						
10	DB3	H/L	DATA BIT 3						
11	DB4	H/L	DATA BIT 4						
12	DB5	H/L	DATA BIT 5						
13	DB6	H/L	DATA BIT 6						
14	DB7	H/L	DATA BIT 7						
15	Vcc	12.0V	SUPPLY VOLTAGE FOR PANEL(POSITIVE VOLTAGE OUTPUT)						
16	NC	_	-						



CHARACTERISTICS		$V_{DD}=5V$	′, T _A =25°C				
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT	
IIICIVI			MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOG	V _{DD} -Vss	-	4.7		5.3	٧	
SUPPLY VOLTAGE FOR PAN	Vcc-Vss	_	11.5	12.0	12.5	V	
	HIGH	V _{IH}	-	0.8VDD	_	VDD	٧
INPUT VOLTAGE	LOW	V _{IL}	_	0	_	0.2VDD	٧
	HIGH	V _{OH}	_	0.9VDD	_	VDD	٧
OUTPUT VOLTAGE	LOW	V _{OL}	_	0	_	0.1VDD	٧
OLED DRIVING CURRENT	IDD	ı	_	83	-	mA	
VIEW ANGLE				FREE			
DARK ROOM CONTRAST	-	-	-	>10000:1	-	-	
C.I.E. (C.I.E. 1931)	Χ	-	_	0.25	0.29	0.33	_
O.I.L. (O.I.L. 1901)	Y	_	_	0.27	0.31	0.35	
RESPONSE TIME	_	_	_	_	_	30	ns
BRIGHTNESS W/POLARIZER	_	_	_	60	80	_	cd/m²

TEST STANDARD VALUE UNIT ITEM SYMBOL CONDITION MIN MAX SUPPLY VOLTAGE FOR LOGIC $V_{DD}-V_{SS}$ Ta=25°C 2.4 5.5 SUPPLY VOLTAGE FOR PANEL Ta=25°C 7 VCC-VSS 13 V % **HUMIDITY** 85 °C OPERATING TEMPERATURE* Topr -4080 STORAGE TEMPERATURE -4090 °C Tstg

OPERATING LIFE 30,000 HRS END OF LIFE IS SPECIFIED AS 50 %OF INITIAL BRIGHTNESS

ABSOLUTE MAXIMUM RATINGS

*BRIGHTNESS= $80cd/m^2$, Ta=25°C, 60% RH, VDD=5.0V, VCC=12.0V, 100% DISPLAY AREA TURN ON.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005).

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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20 X 2 OLED DISPLAY, WHITE CHARACTERS