

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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

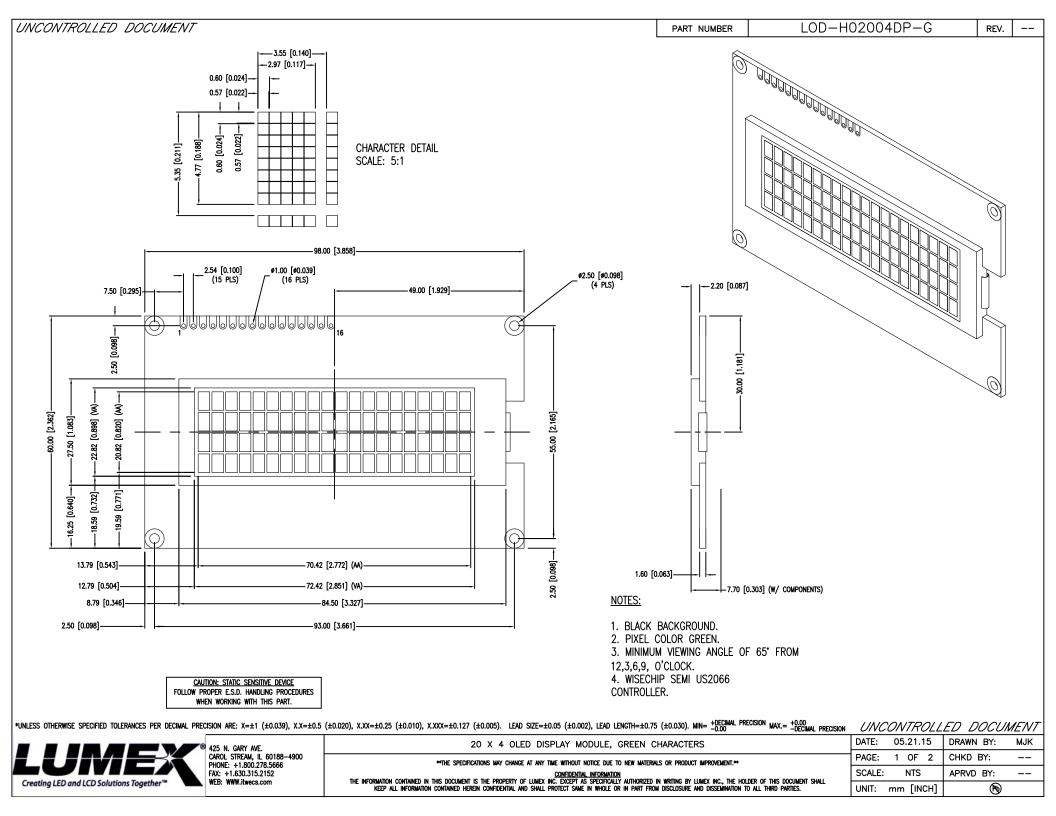
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



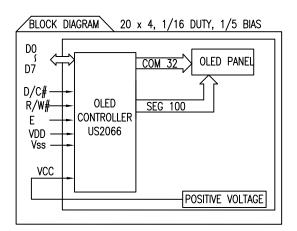






T NUMBER	LOD-H02002DP-G	REV.	1

/ PIN	CONFIGURA	NOITA					
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	Е	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): PLEASE NC				
16	NC	_	_				



ELECTRICAL/OPTO CHARACTERISTICS

 $V_{DD} = 5V$, $T_A = 25^{\circ}C$, 60% RH, VCC = 12.0V

/ 011/11/10/12/1000	\	טט					
ITEM		CAMBOI	CONDITION	STANDARD VALUE			LINIT
		SYMBOL		MIN.	TYP.	MAX.	UNIT
SUPPLY VOLTAGE FOR LOG	V _{DD} -Vss	_	4.7		5.3	V	
SUPPLY VOLTAGE FOR PAN	Vcc-Vss	_	11.5	12.0	12.5	V	
	HIGH	V _{IH}	_	0.8VDD	-	VDD	V
INPUT VOLTAGE	LOW	V _{IL}	_	0	-	0.2VDD	V
	HIGH	V _{OH}	_	0.9VDD	_	VDD	٧
OUTPUT VOLTAGE	LOW	V _{OL}	_	0	_	0.1VDD	٧
OLED DRIVING CURRENT	IDD	_	60	-	_	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. 1331)	Y	_	_	0.62	0.66	0.73	-
RESPONSE TIME	_	-	-	-	_	30	ns
BRIGHTNESS W/POLARIZER	_	_	_	80	100	_	cd/m²

ABSOLUTE MAXIMUM RATINGS`

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ITEM	SYMBOL	TEST	STANDARD	TANDARD VALUE		
ITIEW	3 I MIDOL	CONDITION	MIN	MAX	UNIT	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	2.4	5.5	٧	
SUPPLY VOLTAGE FOR PANEL	VCC-VSS	Ta=25°C	11.5	12.5	٧	
HUMIDITY			_	85	%	
OPERATING TEMPERATURE*	Topr	_	-40	80	°C	
STORAGE TEMPERATURE	Tstg	_	-40	90	.c	

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

*BRIGHTNESS=80cd/m², 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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00$

20 X 4 OLED DISPLAY, GREEN CHARACTERS

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

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CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.itwecs.com