

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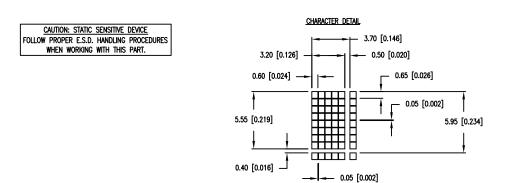
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

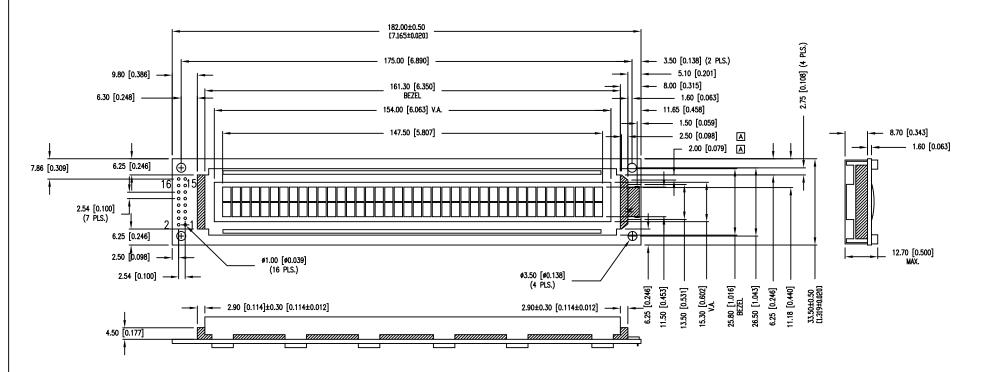






PART NUMBER	LCM-H04002DWN-1G	REV.	С
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.15.09	E.C.N. #11577.		Α
10.02.03	E.C.N. #11587.		В
05.23.16	ECN-Lumex201600010		С





*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 -DECIMAL PRECISION



425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE: 800-278-5666 FAX: 630-315-2152 WEB: WWW.LUMEX.COM 40 x 2 LCD CHARACTER MODULE, FSTN BLCK, NEGATIVE IMAGE, 525nm GREEN LED BACKLIGHT.

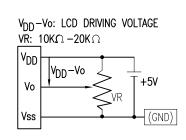
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

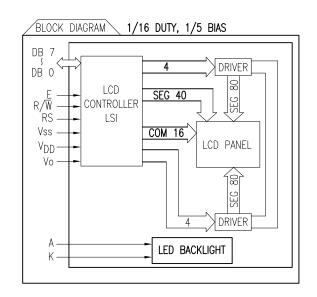
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DATE:	05.23.16	DRAWN BY:	E.C.
PAGE:	1 OF 2	CHKD BY:	G.Y.
SCALE:	N/A	APRVD BY:	Ray
UNIT:	mm [INCH]	Pb	

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PIN CONFIGURATION								
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Vss	-		GND (OV)				
2	V_{DD}	-	POWER SUPPLY	5V				
3	Vo	-		FOR LCD DRIVE				
	RS	RS H/L	REGISTER SELECT SIGNAL					
4			H: DATA INPUT					
			L: INSTRUCTION INPUT	Г				
5	R/W	ц /і	H: DATA READ (MODULE>MPU)					
	K/W	H/L	L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>					
- 1.7		ENABLE						
		H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.				
15	Α	3.2V	ANODE	LED BACKLIGHT				
16 K –			CATHODE LED BACKLIGHT					





В	ELECTRICAL CHARACTERISTICS V_{DD} =4.7V to 5.3V, T_A =25°C								
	ITFM			SYMBOL	CONDITION	STANDARD VALUE			UNIT
	TT LIVI		MIN.			TYP.	MAX.	ONII	
	SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	-	4.5	5.0	5.5	V	
	SUPPLY CURRENT FOR LOGIC		lDD	V _{DD} =5V	-	3.0	5.0	mΑ	
	INPUT VOLTAGE HIGH LOW		٧ _{IH}	_	0.7V _{DD}	-	V _{DD}	V	
			LOW	۷ _{IL}	_	-0.3	_	0.6	٧
	LCD MOUDULE DRIVING VOLTAGE		$V_{DD} - V_{O}$	-	4.2	4.5	4.8	V	
		VOLTAGE		Vf	If=60mA	1	3.2	3.4	V
	LED BACKLIGHT	REVERSE C	CURRENT	lr	Vr=5V	1	_	0.2	mΑ
		POWER CUNSUMPTION		PD	_	-	192	204	mW
		LUMINOUS		L	lf=60mA	100	120	_	cd/m
		COLOR		_	If=60mA	520	525	530	nm 2

ABSOLUTE MAXIMUM RATINGS							
ITEM	SYMBOL	TEST	STANDAR	D VALUE	UNIT		
IIEM		CONDITION	MIN	MAX	UNII		
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	-0.3	7	٧		
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	-0.3	10	٧		
INPUT VOLTAGE	٧	Ta=25°C	-0.3	۷ _{DD}	٧		
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	ů.		
STORAGE TEMPERATURE	Tstg	LCM-H	-30	80	ပ္		

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