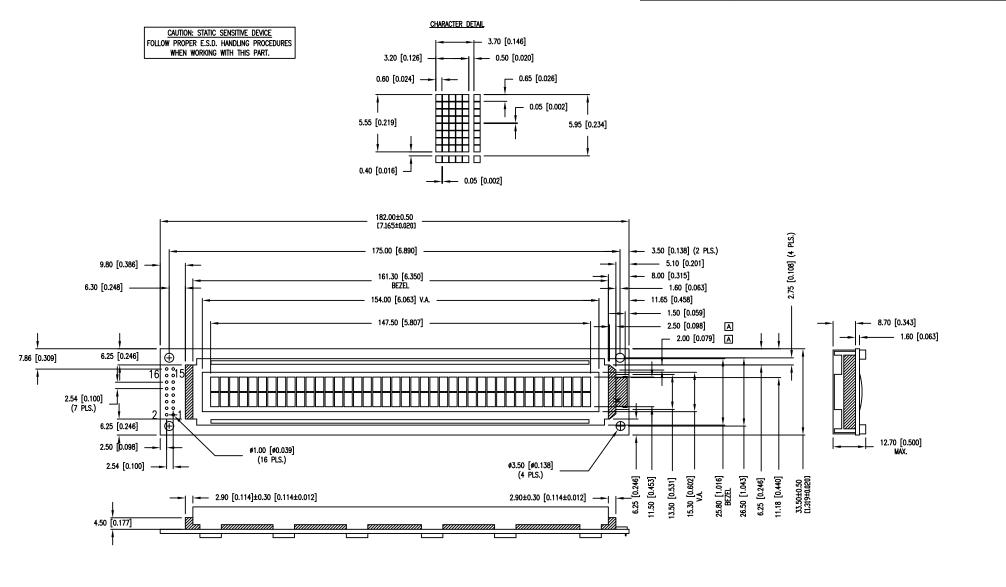
PART NUMBER	LCM-H04002DWN-1G	REV.	С
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.15.09	E.C.N. #11577.		Α
10.02.03	E.C.N. #11587.		В
05.23.16	ECN-Lumex201600010		С

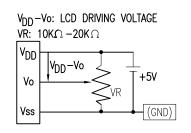


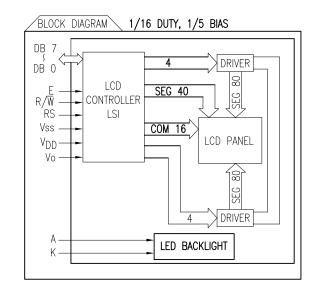
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00

	CAROL STREAM, IL 60188 PHONE: 800–278–5666 FAX: 630–315–2152 THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUNKE. INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUNKE INC, THE HOLDER OF THIS DOCUMENT IS THE PROPERTY OF LUNKE. INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUNKE INC, THE HOLDER OF THIS DOCUMENT SHALL	DATE:	05.23.16	DRAWN BY:	E.C.	
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.	PAGE:	1 OF 2	CHKD BY:	G.Y.
			SCALE:	N/A	APRVD BY:	Ray
Creating LED and LCD Solutions Together™			UNIT:	mm [INCH]	Ŕ	

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

PIN	CONFIGUR	ATION				
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	Vss	-		GND (OV)		
2	V _{DD}	-	POWER SUPPLY	5V		
3	Vo	-		FOR LCD DRIVE		
			REGISTER SELECT SIGNAL			
4	RS	H/L	H: DATA INPUT			
			L: INSTRUCTION INPUT			
5	R/W	H/L	H: DATA READ (MODU	LE>MPU)		
J	Γ\/ W	Π/L	L: DATA WRITE (MODU	JLE <mpu)< td=""></mpu)<>		
6	E	H,H–>L	ENABLE			
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.		
15	А	3.2V	ANODE	LED BACKLIGHT		
16	K	_	CATHODE	LED BACKLIGHT		





ITEM	CVUDOI	TEST	STANDAR	D VALUE	UNIT
ITEM	SYMBOL	CONDITION	MIN	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	-0.3	7	٧
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	-0.3	10	۷
INPUT VOLTAGE	٧I	Ta=25°C	-0.3	V _{DD}	V
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	•C
STORAGE TEMPERATURE	Tstg	LCM-H	-30	80	•C

*UNLE	SS OTHERWISE SPECIFIED TOLERANCES PER D	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= $\begin{array}{c} + DECIMAL \\ -0.00 \end{array}$ PRECISION	Max.= +0.00 -Decimal precision
-------	---	---------------------------------------	--	---------------------------	---	---	-----------------------------------

UNIT

V

mА

V

V

V

V

mА

mW

cd/m

nm 2

525

520

lf=60mA

530

e 425	® 425 N. GARY AVE.	40 x 2 LCD CHARACTER MODULE, FSTN BLCK, NEGATIVE IMAGE, 525nm GREEN LED BACKLIGHT.	DATE:	05.23.16	DRAWN BY:	E.C.
	AROL STREAM, IL 60188 HONF: 800-278-5666	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**	PAGE:	1 OF 2	CHKD BY:	G.Y.
	FAX: 630-315-2152 WEB: WWW.LUMEX.COM	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL	SCALE:	N/A	APRVD BY:	Ray
WE			UNIT:	mm [INCH]	R	

PIN NO.	SYMBOL	LEVEL	FUNCTION		
		LLVLL	TONCTION		
1	Vss	-		GND (OV)	
2	V _{DD}	-	POWER SUPPLY	5V	
3	Vo	-		FOR LCD DRIVE	
			REGISTER SELECT SIG	NAL	
4	RS	H/L	H: DATA INPUT L: INSTRUCTION INPUT		
E		11./1	H: DATA READ (MODULE>MPU)		
5	R/W	H/L	L: DATA WRITE (MODU	ILE <mpu)< td=""></mpu)<>	
6	E	H,H–>L	ENABLE		
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.	
15	A	3.2V	ANODE	LED BACKLIGHT	
16	K	-	CATHODE	LED BACKLIGHT	

ELECTRICAL CHARACTERISTICS V_{DD} =4.7V to 5.3V, TA=25°C									
	ITEM			SYMBOL	CONDITION		DARD V		
		11 - 19			o o libilion	MIN.	TYP.	MAX.	
	SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss	-	4.5	5.0	5.5	
	SUPPLY CURRENT FOR LOGIC			I _{DD}	V _{DD} =5V	-	3.0	5.0	
	INPUT VOLTAGE HIGH LOW		HIGH	VIH	-	0.7V _{DD}	-	V _{DD}	
			LOW	VIL	-	-0.3	-	0.6	
	LCD MOUDULE DRIVING VOLTAGE			V _{DD} -V _O	_	4.2	4.5	4.8	
		VOLTAGE REVERSE CURRENT POWER CUNSUMPTION		Vf	lf=60mA	-	3.2	3.4	
	l FD			lr	Vr=5V	-	-	0.2	
	BACKLIGHT			PD	-	-	192	204	
	DACKLIGHT	LUMINOUS		L	lf=60mA	100	120	-	

COLOR

Creating

_

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex: LCM-H04002DWN-1G