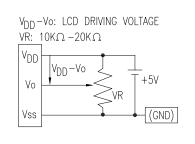
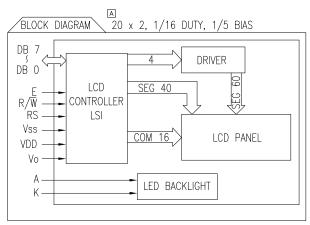


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PART NUMBER	LCM-S02002DSM-Y rev	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
08.03.98	E.C.N. #10447.	А
09.04.98	E.C.N. #10BRDR. & REDRAWN.	В
02.14.13	E.C.N. #10BRDR. & REDRAWN.	С
11.26.13	E.C.N. #11888.	D
		A

PIN CONFIGURATION LEVEL FUNCTION PIN NO. SYMBOL GND (OV) 1 Vss _





ABSOLUTE MAXIMUM RATINGS	A				
ITEM	CVNDOL	TEST	STANDAR	UNIT	
II EM	SYMBOL	CONDITION	MIN	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	4.2@50°C	4.8@0°C	V
INPUT VOLTAGE	VI	Ta=25°C	Vss	V _{DD}	V
OPERATING TEMPERATURE	Topr	-	0	50	°C
STORAGE TEMPERATURE	Tstg	-	-20	70	°C

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

ITROLLED DOCUMENT

425 N. GARY AVE.	5.55mmCHARACTER HEIGHT,5x8 DOT MATRIX,20x2 LCD MODULE1/16 DUTY,1/5 BIAS,STN TRANS YELLOW BACKLIGHT.	DATE:	02.14.13	DRAWN BY:	MA
CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**			CHKD BY:	KF
FAX: +1.630.315.2152	CONFIDENTIAL INFORMATION 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 KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	SCALE:	NTS	APRVD BY:	KF
Creating LED and LCD Solutions Together		UNIT:	mm [INCH]	R	

1	035								
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 L: DATA READ (MODULE>MPU)									
									5
6	E	H,H–>L	ENABLE						
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.					
15	A	-	ANODE	LED BACKLIGHT					
16	K	-	CATHODE	LED BACKLIGHT					
	IRICAL CHA			to 5.3V, TA=25°C					

	LELOTINICAL CHARACTERISTICS			4.7V to 5.5V, IA-	200			
ITEM	ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT
					MIN.	TYP.	MAX.	
SUPPLY VO	SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	-	4.5	5.0	5.5	V
SUPPLY CURRENT FO		LOGIC	DD	V _{DD} =5V	-	2.0	3.0	mA
	INPUT VOLTAGE HIGH LOW		V _{IH}	-	2.2	-	VDD	V
INPUT VOLT			VIL	-	0	-	0.6	V
	HIGH		V _{OH}	-	2.4	-	-	V
OUTPUT VOLTAGE		LOW	V _{OL}	-	-	-	0.4	V
	*LED VOLTAGE *LED POWER CUNSUMPTION BACKLIGHT LUMINOUS		Vf	lf=210mA	-	4.2	4.6	V
*150			lf	-	-	210	-	mA
			PD	_	-	882	-	mW
DAGALIGHT			L	lf=210mA	110	170	-	cd/m²
	COLOR	-	-	-	570	-	nm	