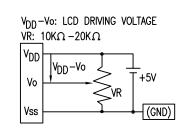
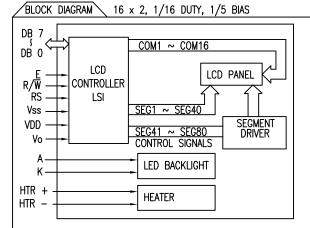


UNCONTROLLED DOCUMENT

PIN	PIN CONFIGURATION										
PIN NO.	SYMBOL	LEVEL	FUNCTION								
1	Vss	-		GND (OV)							
2	V _{DD}	-	POWER SUPPLY	5V							
3	Vo	-		FOR LCD DRIVE							
	RS		REGISTER SELECT SIGNAL								
4		H/L	H: DATA INPUT								
			L: INSTRUCTION INPUT								
5	R∕₩	H/L	H: DATA READ (MODULE>MPU)								
			L: DATA WRITE (MODULE <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	-	ANODE	LED BACKLIGHT							
16	K	-	CATHODE	LED BACKLIGHT							
17	HTR +	_	+12V								
18	HTR –	-	GND (OV)								





PART NUMBER

LCR-U01602DSF/A-WH

ITEM			SYMBOL	CONDITION	STAN	UNIT			
				CONDITION	MIN.	TYP.	MAX.	UNIT	
SUPPLY VO	LTAGE FOR	LOGIC	V _{DD} -Vss	-	-	5.0	I	۷	
SUPPLY CU	IRRENT FOR	LOGIC	I _{DD}	V _{DD} =5V	-	1.6	2.5	mA	
		HIGH	۷ _H	-	2.2	I	V _{DD}	٧	
INPUT VOLTAGE LOW			۷IL	/ _{IL} –		-	0.6	V	
		HIGH	VOH	-	2.4	-	I	۷	
OUTPUT VO	LTAGE	LOW	V _{OL}	-	-	-	0.4	٧	
	VOLTAGE		Vf	lf=15mA	-	6.2	6.8	٧	
	CURRENT		lf	-	-	15	-	mA	
LED	POWER CU	NSUMPTION	PD	-	-	90	-	mW	
BACKLIGHT	LUMINOUS		L	lf=15mA	70	-	-	cd/m²	
	COLOR		Х	WHITE	.240	-	.330		
	COORDINAT	E	Y	WHILE	.240	-	.330		
	VOLTAGE		V _{fH}	-	-	12	-	٧	
HEATER	RESISTANCE			-	-	11	-	OHM	
	CURRENT	CURRENT		-	-	1.1	-	AMP	
	POWER		PH	-	-	13.1	-	W	

. _. .

ABSOLUTE MAXIMUM RATINGS

	1						
ITEM	SYMBOL	TEST	STANDAR	UNIT			
II EM	STMDUL	CONDITION	MIN	MAX	UNIT		
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	Ta=25°C	4.7	5.3	۷		
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-No	-	4.2 @ 50°C	4.8 00° C	٧		
INPUT VOLTAGE	VI	Ta=25°C	Vss	V _{DD}	۷		
OPERATING TEMPERATURE	Topr	W/ HEATER	-40	+85	•C		
STORAGE TEMPERATURE	Tstg	W/ HEATER	-40	+85	•C		

		CURRENT	IH	-	-	1.1	-	AMP						
		POWER	PH	-	-	13.1	-	W]		CONTRO		TOLINAFI	1/T
	POWER PH - - 13.1 - W *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 (±0.032), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 -DOC MAX.= +0.00 -DECIMAL PRECISION													
REV.		PART	NUMBE	R			CONFIDENTIAL INFORMATION THE INFORMATION CONTINUED IN THIS DOCUMENT IS THE PROPERTY OF PALATINE, IL 60067-6976							
	L(CR-U016	02D\$	SF/A-W	/H	L	umex ing inc., th ontained	C. EXCEPT A IE HOLDER OF HEREIN CON	S SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX ⁷ This document shall keep all information Fidential and shall protect same in whole or SURE AND DISSEMINATION TO ALL THIRD PARTIES.		PHC us	WEB: www.lume	9.2790 x.com	
16 x 2 CHARACTER LCD MODULE, STN GRAY, -40°C TO +85°C OPERATING TEMPERATURE, W/ HEATER, TRANSFLECTIVE, WHITE LED BACKLIGHT, 6:00 VIEW.								ny years of r heat is a	Reliability note Experience data accumulation indicate that major cause of early and future failure. Itention to your soldering process.	DRAWN BY: JN	CHECKED BY:			F2

Mouser Electronics

Authorized Distributor

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Lumex: LCR-U01602DSF/AWH