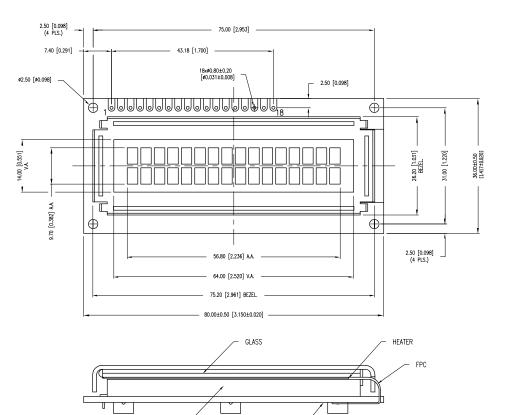
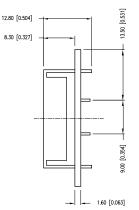
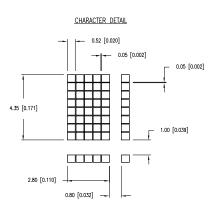
UNCONTROLLED DOCUMENT

PART NUMBER	LCR-U01602DSF/A-WH REV.	А
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
05.20.10	E.C.N. #11642.	Α



SOLDERING





CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), 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 PRECISION UNCONTROLLED DOCUMENT



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BACKLIGHT

16 imes 2 Character LCD Module, STN GRAY, W/ HEATER, TRANSFLECTIVE, WHITE LED BACKLIGHT, 6:00 VIEW.

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

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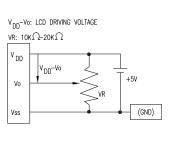
ONCONTIOLLED DOCOMENT							
DATE:	11.13.09	1	DRAWN BY:	JN			
PAGE:	1 OF 2	2	CHKD BY:	JD			
SCALE:	N/A		APRVD BY:	SA			
JNIT: mm [INCH]			Pb				

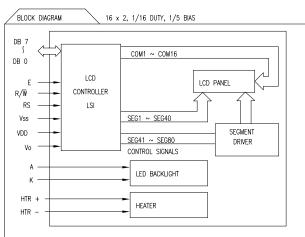
UNCONTROLLED DOCUMENT

D.DT	LOD HOTEOODEE /A WILL	DEV/	
PART NUMBER	LCK-UUT6UZD3F/A-WH	REV.	А
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
	SEE PAGE 1		

PIN CI	ONFIGURATION					
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	Vss	-		GND (0V)		
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 (MODULE>MPU)			
5	N/ W		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	к	-	CATHODE	LED BACKLIGHT		
17	HTR +	-	+12V			
18	HTR -	-	GND (OV)			

ELECTRICAL	CHARACTERISTICS		V _{DD} =4.	7V to 5.3V, T _A =25°C				
			SYMBOL		STANDARD VALUE			
ITEM				CONDITION	MIN.	TYP.	MAX.	UNIT
SUPPLY VOLTA	GE FOR LOGIC		V _{DD} -Vss	-	-	5.0	-	٧
SUPPLY CURRE	INT FOR LOGIC		l _{DD}	V _{DD} =5V	-	1.6	2.5	mA
		HIGH	v _{IH}	-	2.2	-	V _{DD}	٧
INPUT VOLTAGE	INPUT VOLTAGE LOW HIGH OUTPUT VOLTAGE LOW		V IL	-	0	-	0.6	v
			V OH	-	2.4	-	-	V
OUTPUT VOLTA			V OL	_	-	-	0.4	V
	VOLTAGE		Vf	If=15mA	-	6.2	6.8	V
150	CURRENT		If	-	-	15	-	mA
LED	POWER CUNSUM	IPTION	PD	-	-	90	-	mW
BACKLIGHT	LUMINOUS		L	If=15mA	70	-	-	cd/m ²
	COLOR		Х	MANTE	.240	-	.330	
	COORDINATE		Y	WHITE	.240	-	.330	
	VOLTAGE		v _{fH}	-	-	12	20	٧
UELTED	RESISTANCE			-	50	100	150	ОНМ
HEATER	CURRENT		IH	_	100	150	200	mA





ABSOLUTE MAXIMUM RATINGS	\				
TTCU .	States:	TEST	STANDAR		
ITEM	SYMBOL	CONDITION	MIN	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -Vss	Ta=25°C	4.7	5.3	٧
SUPPLY VOLTAGE FOR LCD DRIVE	V _{DD} -Vo	-	4.2@50°C	4.8@0°C	٧
INPUT VOLTAGE	v ₁	Ta=25°C	Vss	V _{DD}	٧
OPERATING TEMPERATURE	Topr	W/ HEATER	-40	+85	•c
STORAGE TEMPERATURE	Tstg	W/ HEATER	-40	+85	·c

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POWER

Α

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WEB: WWW.LUMEX.COM

1.0

1.6

16 \times 2 CHARACTER LCD MODULE, STN GRAY, W/ HEATER, TRANSFLECTIVE, WHITE LED BACKLIGHT, 6:00 VIEW.

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	DATE:	11.13.09	DRAWN BY:	JN			
_	PAGE:	2 OF 2	CHKD BY:	JD			
	SCALE:	N/A	APRVD BY:	SA			
	UNIT: mm [INCH]		(Po)				