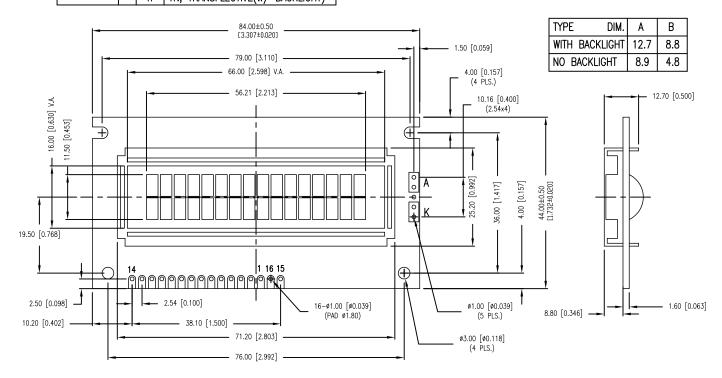
PART NUMBER LCM-S01602DSF/I-Y

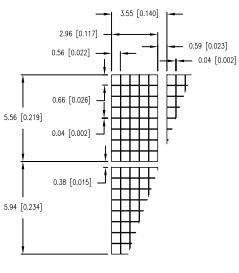
E.C.N. NUMBER AND REVISION COMMENTS DATE

REV.

P/N PREFIX/SUFFIX TABLE LCM-X DXX DESCRIPTION STN, REFLECTIVE S **STANDARD** STN, TRANSFLECTIVE(W/ BACKLIGHT) TN, REFLECTIVE HIGH TEMP. TN, TRANSFLECTIVE(W/ BACKLIGHT)



CHARACTER DETAIL



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

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV. PART NUMBER LCM-S01602DSF/I-Y

5.56mm CHARACTER HEIGHT, 16 x 2 CHARACTERS, 5 x 8 DOT MATRIX, LCD MODULE, YELLOW BACKLIGHT, 1/16 DUTY, 1/5 BIAS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS

INCORPORATED

290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

DRAWN BY:

CHECKED BY:

APPROVED BY: DATE: 03.12.14

JD

PAGE: 1 OF 2 SCALE: N/A

PART NUMBER LCM-S01602DSF/I-Y

E.C.N. NUMBER AND REVISION COMMENTS

DATE

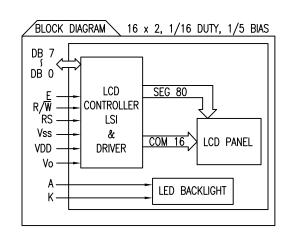
REV.

SEE PAGE #1./

PIN CONFIGURATION

		\				
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	Vss	ı	GND (OV)			
2	V_{DD}	I	POWER SUPPLY	5V		
3	Vo	ı		FOR LCD DRIVE		
	RS	H/L	REGISTER SELECT SIGNAL			
4			H: DATA INPUT			
			L: INSTRUCTION INPUT			
5	R/W	H/L	H: DATA READ (MODULE>MPU)			
			L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>			
6	Е	H,H->L	ENABLE			
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.		
15	Α		ANODE	LED BACKLIGHT		
16	K	ı	CATHODE	LED BACKLIGHT		

	Vo: LCD DRIVING VOLTAGE ΙΟΚΩ –20ΚΩ
V_{DD}	V _{DD} -Vo
Vo	VR T+5V
Vss	(GND)



ELECTRICAL CHARACTERISTICS

 $V_{DD} = 4.7V$ to 5.3V, $T_A = 25^{\circ}C$

		\ 'DD '''' to otor, 'A 200						
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT	
				MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	1	-	5.0	-	٧	
SUPPLY CURRENT FOR LOGIC		I_{DD}	V _{DD} =5V	_	2.0	3.0	mA	
INPUT VOLTAGE HIGH LOW		٧ _{IH}	-	2.2	-	4.7	٧	
		٧ _{IL}	-	0	-	0.6	٧	
HIGH		V _{OH}	-	2.4	-	-	٧	
OUTPUT VO	OUTPUT VOLTAGE LOW		V _{OL}	-	-	-	0.4	٧
*LED BACKLIGHT	VOLTAGE		Vf	lf=160mA	-	4.2	4.5	٧
	CURRENT		lf	-	-	160	400	mA
	POWER CUNSUMPTION		PD	-	-	660	-	mW
	LUMINOUS		L	lf=160mA	70	_	_	cd/m ²
	COLOR		_	_	_	_	_	nm

*ONLY APPLIES TO MODULES WITH BACKLIGHT

ABSOLUTE MAXIMUM RATINGS

	\					
ITEM	SYMBOL	TEST	STANDARD VALUE		UNIT	
TIEM	SIMBOL	CONDITION	MIN	MAX	ONIT	
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	٧	
INPUT VOLTAGE	٧ _I	Ta=25°C	Vss	۷ _{DD}	٧	
OPERATING TEMPERATURE	Topr	LCM-S	0	50	•C	
OPERATING TEMPERATURE		LCM-H	-20	70	•C	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	•C	
STORAGE TEMPERATURE		LCM-H	-30	85	.c	

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REV. PART NUMBER LCM-S01602DSF/I-Y

5.56mm CHARACTER HEIGHT, 16 x 2 CHARACTERS, 5 x 8 DOT MATRIX, LCD MODULE, YELLOW BACKLIGHT, 1/16 DUTY, 1/5 BIAS.

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