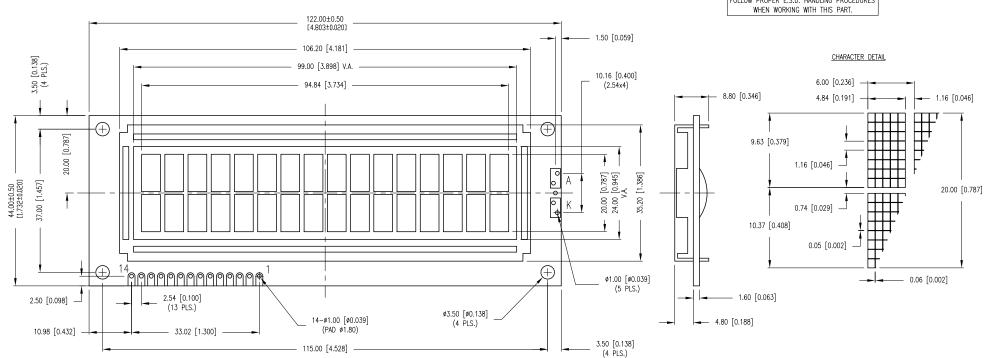
PART NUMBER

LCM-S01602DSR/D

REV.

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES



Creating LED and LCD Solutions Together™

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

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9.63mm CHARACTER HEIGHT, 16x2 CHARACTERS,5x8 DOT MATRIX LCD MODULE,1/16 DUTY,1/5 BIAS,STN REFLECTIVE.

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

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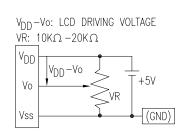
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.000), X.XX=±0.05 (±0 UNCONTROLLED DOCUMENT DATE: 01.28.11 DRAWN BY: AΒ

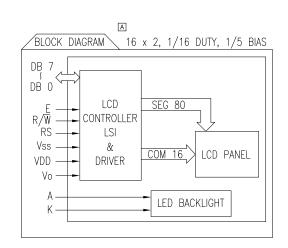
PAGE: 1 OF 2 CHKD BY: YΑ SCALE: NTS APRVD BY: ВC (Pb) UNIT: mm [INCH]

PART NUMBER

LCM-S01602DSR/D

PIN CONFIGURATION \								
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	LE>MPU)							
J	R/W	H/L	L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>					
6	E	H,H->L	ENABLE DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MO					
7~14	DB0~DB7	H/L						
15	А	_	ANODE	LED BACKLIGHT				
16	К	_	CATHODE	LED BACKLIGHT				





ELECTRICAL CHARACTERISTICS	A	V _{DD} =	4.7V	to	5.3V,	T _A =	25°C

ITEM		CVMDOL	CONDITION	STAN	LINIT				
ITEM			SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss	-	_	5.0	_	V	
SUPPLY CU	IRRENT FOR	LOGIC	l _{DD}	V _{DD} =5V	_	2.0	3.0	mA	
INPUT VOLTAGE HIGH LOW		٧ _{IH}	_	2.2	ı	4.7	V		
		LOW	٧١	-	0	ı	0.6	V	
OUTDUT VOLTAGE		HIGH	V_{OH}	=	2.4	ı	_	V	
		LOW	V _{OL}	-	_	-	0.4	V	
	VOLTAGE		Vf	lf=220mA	-	4.2	4.6	V	
*LED	CURRENT		lf	_	_	220	480	mA	
BACKLIGHT	POWER CUNSUMPTION		PD	-	-	924	-	mW	
	LUMINOUS		L	lf=220mA	70	-	_	cd/m ²	
	COLOR		-	_	-	-	-	nm	

*ONLY APPLIES TO MODULES WITH BACKLIGHT

ABSOLUTE	A A A SZIA AL IN A	DATINICO	\
ARSOLUTE.	MAXIMUIM	RAHNGS	_ \

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ITEM	SYMBOL	TEST	STANDAR	UNIT		
II LIVI	STWIDOL	CONDITION	MIN	MAX	OINII	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	_	4.2V@50°C	4.8@0°C	٧	
INPUT VOLTAGE	۷r	Ta=25°C	Vss	v _{DD}	٧	
OPERATING TEMPERATURE	Topr	LCM-S	0	50	°C	
OPERATING TEMPERATURE	Торг	LCM-H	-20	70	°C	
STORAGE TEMPERATURE	Tota	LCM-S	-20	70	°C	
STORAGE TEMPERATURE	Tstg	LCM-H	-30	85	.C	

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DATE:	01	.28.	11	DRA	WN	BY:	AB	
PAGE:	2	OF	2	СНК	D	BY:	YA	
SCALE:		NTS		APR	VD	BY:	ВС	
UNIT: mm [INCH]						(Pb)		

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LCM-S01602DSR/D