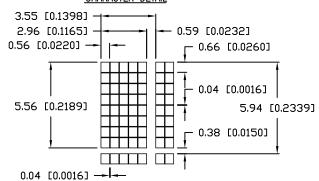
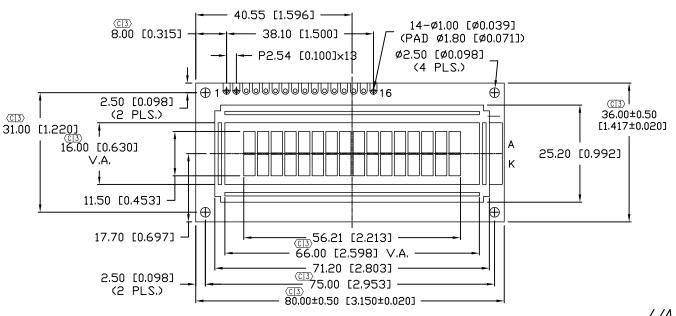
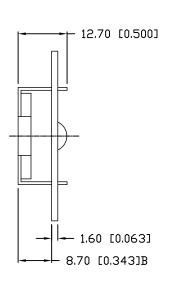
LCM-S01602DSF/A-Y

CHARACTER DETAIL



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





C[3] (C[3) (C[3)

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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 -0.000

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PART NUMBER
LCM-S01602DSF/A-Y

REV.

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

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT

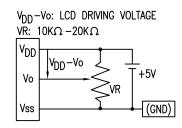
SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.

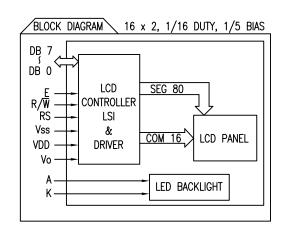
PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LCM-S01602DSF/A-Y

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	RS	H/L	H: DATA INPUT					
			L: INSTRUCTION INPUT					
5 R/W	H/L	H: DATA READ (MODU	LE>MPU)					
		L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>						
6	Ε	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	-	CATHODE	LED BACKLIGHT				





ELECTRICAL CHARACTERISTICS

REV.

 V_{DD} =4.7V to 5.3V, T_A =25°C

VDD=4.7V to 5.5V, IA=25 C								
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT	
				MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	ı	-	5.0	-	٧	
SUPPLY CURRENT FOR LOGIC		l _{DD}	V _{DD} =5V	1	2.0	3.0	mΑ	
INPUT VOLTAGE HIGH LOW		٧ _{IH}	-	2.2	_	۷DD	٧	
		٧ _{IL}	-	0	-	0.6	٧	
OUTPUT VOLTAGE HIGH LOW		V _{OH}	_	2.4	-	-	٧	
		LOW	V_{OL}	-	-	-	0.4	٧
	VOLTAGE		Vf	lf=15mA	-	2.1	-	٧
LED BACKLIGHT	CURRENT		lf	-	10	15	20	mA
	POWER CUNSUMPTION		PD	-	_	53	_	mW
	COLOR		_	YELLOW	-	_	-	nm

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST	STANDAR	D VALUE	UNIT
ITEM	SIMBUL	CONDITION	MIN	MAX	UNII
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	٧١	Ta=25°C	Vss	v _{DD}	٧
OPERATING TEMPERATURE	Topr	LCM-S	0	50	.c
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	.C

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