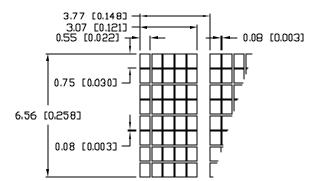
UNCONTROLLED DOCUMENT

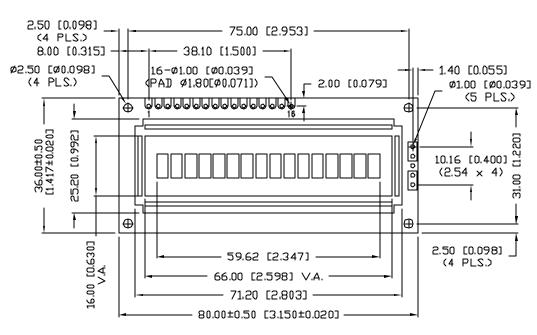
PART NUMBER

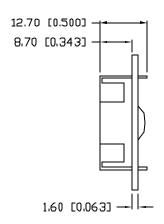
LCM-S01601DSF

CHARACTER DETAIL



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





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rev. PART NUMBER

LCM—S01601DSF

6.56mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 16 x 1 LCD MODULE, 1/16 DUTY, 1/5 BIAS. STN, TRANSFLECTIVE, WITH LED BACKLIGHT CONFIDENTIAL INFORMATION

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RELIABLITY 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.



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5.2.02

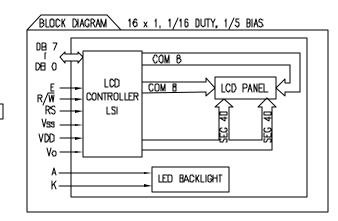
REV.

LCM-S01601DSF

PIN CONFIGURATION									
N	NQ.	SYMBOL	LEVEL	FUN					
1		V							

PIN NQ.	SYMBOL	LEVEL	FUNCTION				
1	Vas	-		GND (OV)			
2	V_{DD}	-	POWER SUPPLY	5V			
3	Va	-		FOR LCD DRIVE			
		H/L	REGISTER SELECT SIGNAL				
4	RS		H: DATA INPUT				
			L: INSTRUCTION INPUT				
5	R/₩	H/L	H: DATA READ (MODULE——>MPU)				
S			L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>				
6	E	H,H->L	ENABLE				
7∾14	D80~D87	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE.				
15	Α	_	ANODE	LED BACKLIGHT			
16	K	_	CATHODE	LED BACKLIGHT			

V _{DD} —Vo: LCD DRIVING VOLTAGE VR: 10KΩ—20KΩ								
۷	DD	V _{DD} -Va	•]				
١	/o	ַ יטטיי	-> _{VR} -	 T+5V				
٧	S5		> ///	(GND)				
_				<u> </u>				



LI ECTENTAL CHARACTERISTICS

V__ - 4 7V to 5 3V Ti - 25°C

/ ELECTRICAL CHARACTERISTICS \ VDD=4./V to 5.3V, 1A=23 C								
ПЕМ			SYMBOL	CONDITION	STANDARD VALUE			UNIT
					MIN.	TYP.	MAX.	UNII
SUPPLY VOLTAGE FOR LOGIC			VDD-Vss	Ī	ı	5.0	1	>
SUPPLY CURRENT FOR LOGIC			_DD	V _{DD} =5V	1	1.6	2.5	mA
HIGH		۷∃	Ī	2.2	1	뗭	>	
INPUT VOLT	INPUT VOLTAGE LOW		٧٢	1	0	-	0.6	V
	OUTPUT VOLTAGE HIGH LOW		V_{OH}	ı	2.4	ı	ı	>
OUIPUI VO			V_{QL}	ı	-	-	0.4	V
	VOLTAGE		Vf	lf=150mA	_	4.2	4.6	V
LED	CURRENT		lf	-	-	150	200	mA
BACKLIGHT	POWER CUNSUMPTION		PD		-	630	-	тW
BACKLIGHT	LUMINQUS		L	lf=150mA	70	-	-	cd/m²
	COLOR		1	Ī	-	1	1	nm

ABSOLUTE MAXIMUM RATINGS

/	\				
ITEM	SYMB0L	TEST	STANDARD VALUE		UNIT
II 🗆 W		CONDITION	MIN	MAX	OINII
SUPPLY VOLTAGE FOR LOGIC	Vpp-Vss	Ta=25°C	4.7	5.3	٧
SUPPLY VOLTAGE FOR LCD DRIVE	Vpp-Vo	-	4.2 9 50°C	4.8 \$ 0°C	٧
INPUT VOLTAGE	VI	Ta=25°C	V55	۸ ^{DD}	٧
OPERATING TEMPERATURE	Topr	LCM-S	0	50	,C
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	.C

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