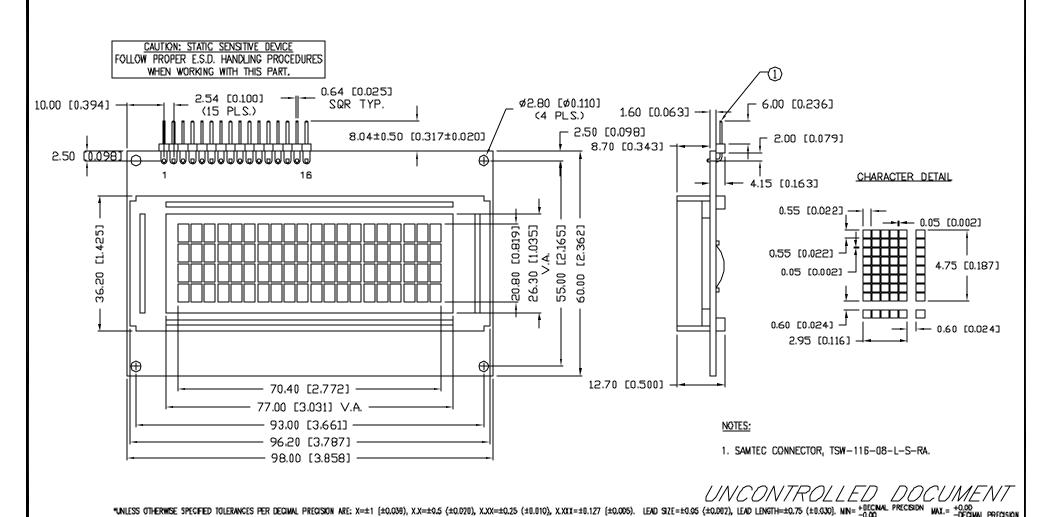
LCM-S02004D40965



REV.

PART NUMBER LCM-S02004D40965

4.75mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 4, LCD MODULE, 1/16 DUTY, 1/5 BIAS, STN GRAY, TRANSFLECTIVE,WHITE LED BACKLIGHT W/ SAMTEC CONNECTOR.

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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.



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DATE: 04.03.08 PAGE: 1 OF 2

SCALE: N/A

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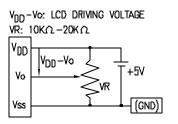
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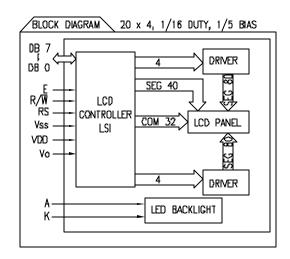
REV.

PIN CONFIGURATION								
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Ves	=		GND (OV)				
2	V _{DD}	-	POWER SUPPLY	5V				
3	Vo	-		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	E	H,H->L	ENABLE					
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.				
15	Α	3.4V	ANODE	LED BACKLIGHT				
16	K	GND	CATHODE	LED BACKLICHT				

ELECTRICAL CHARACTERISTICS V _{DD} =4.7V to 5.3V, T _A =25°C									
ПЕМ			SYMBOL	CONDITION	STANDARD VALUE			UNIT	
					MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss			5.0	-	٧	
SUPPLY CURRENT FOR LOGIC		OO I	V _{DD} =5∨	ı	3.0	4.0	mA		
INPUT VOLTAGE HIGH		٧ _H	I	2.2	_	00 کا	٧		
		v_{IL}	I	0	_	0.6	٧		
OUTPUT VOLTAGE HIGH		v_{OH}	I _{OH} =-0.205mA	2.4	_	-	٧		
		LΩW	V _Q L	I _{OL} =1.6ma	ı	_	0.4	٧	
*LED BACKLIGHT	VOLTAGE		Vf	lf=20mA	ı	3.4	3.5	٧	
	CURRENT		lf	-	-	20	30	mA	
	POWER CUNSUMPTION		PD	1	-	68	105	mW	
	LUMINOUS		L	If=20mA	30	35	_	cd/m²	
	COLOR		WHITE	-	-	_	_	nm	

^{*}ONLY APPLIES TO MODULES WITH BACKLIGHT





ABSOLUTE MAXIMUM RATINGS`

	\					
ПТЕМ	SYMBOL	TEST	STANDARD VALUE		UNIT	
ITEM	SIMDAL	NOITKINOO	MIN	MAX	CINII	
SUPPLY VOLTAGE FOR LOGK	Vpp-Vss	Ta=25°C	-0.3	7	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-V◊	=	-0.3	12	٧	
INPUT VOLTAGE	٧١	Ta=25°C	Vss	VDD ∪	٧	
OPERATING TEMPERATURE	Tone	LCM-S	0	50	.C	
OFERATING IEMFERATORE	Topr	LCM-H	-20	70	.C	
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	.C	
JIORAGE TEMPERATURE		LCM-H	-30	85	,Ç	

UNCONTROLLED DOCU *UNIESS OTHERWISE SPECFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN= +DECIMAL PRECISION WAX.= +0.00 (±0.030), NN=+DECIMAL PRECISION WAX.= +0.00 (±0.000), XXXX=±0.127 (±0.000).

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