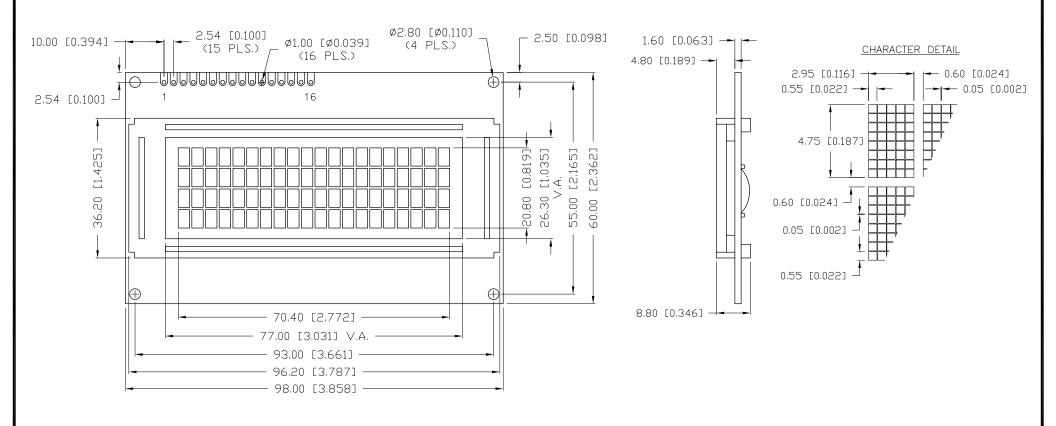
LCM-S02004DSR

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



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XXX=±0.25 (±0.010), X.XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.000

REV. PART NUMBER ICM-S02004DSR

4.75mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 4 LCD STN, REFLECTIVE, 1/16 DUTY, 1/5 BIAS.

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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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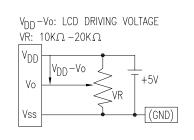
CHECKED BY: APPROVED BY: DATE: DRAWN BY:

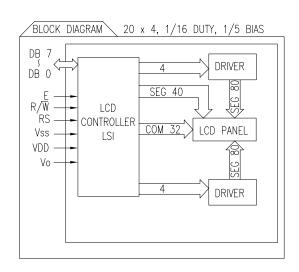
3.7.02 PAGE: 1 OF 2 SCALE: N/A

LCM-S02004DSR

PIN CONFIGURATION								
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Vss	-		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	NC	_						
16	NC	_						

ELECTRICAL CHARACTERISTICS V _{DD} =4.7V to 5.3V, T _A =25°C									
ITEM		SYMBOL	CONDITION	STAN	UNIT				
				MIN.	TYP.	MAX.	UNIT		
SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	_	-	5.0	-	٧		
SUPPLY CURRENT FOR LOGIC		IDD	V _{DD} =5V	-	2.0	3.0	mΑ		
	HIGH	V _{IH}	_	2.2	_	VDD	V		
INPUT VOLTAGE	LOW	VIL	IL -		_	0.6	V		
	HIGH	V _{OH}	I _{OH} =-0.205mA	2.4	_	-	V		
OUTPUT VOLTAGE	LOW	V _{OL}	I _{OL} =1.6ma	-	-	0.4	٧		





ABSOLUTE MAXIMUM RATINGS									
ITFM	SYMBOL	TEST	STANDARD VALUE		UNIT				
IILWI		CONDITION	MIN	MAX	OIVII				
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	V				
INPUT VOLTAGE	٧١	Ta=25°C	Vss	V DD	V				
OPERATING TEMPERATURE	Topr	LCM-S	0	50	.C				
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	.C				

UNCONTROLLED DOCUMENT

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PART NUMBER

LCM—S02004DSR

4.75mm CHARACTER HEIGHT, 5 \times 8 DOT MATRIX, 20 \times 4 LCD STN, REFLECTIVE, 1/16 DUTY, 1/5 BIAS.

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RELIABILITY NOTE
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