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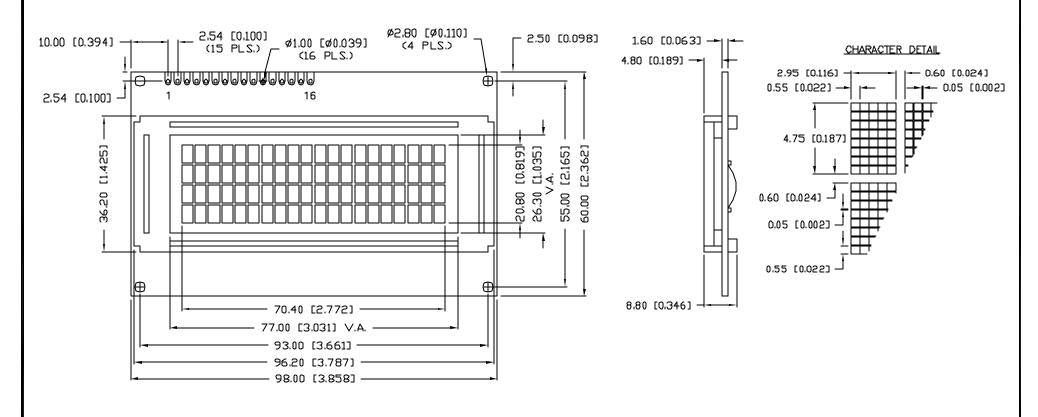
PART NUMBER

REV.

LCM-S02004DSR

PRELIMINARY IN P/N DIR

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



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

REV.

PART NUMBER LCM-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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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.



CT

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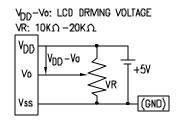
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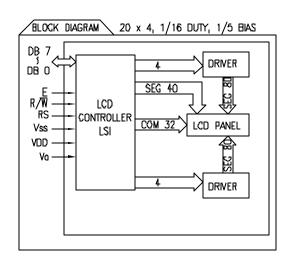
REV.

LCM-S02004DSR

PRELIMINARY IN P/N DIR

PIN CONFIGURATION								
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Vss	-		GND (OV)				
2	VDD	-	POWER SUPPLY	5V				
3	Vo	-		FOR LCD DRIVE				
4	R\$	H/L	REGISTER SELECT SIGNAL H: DATA INPUT L: INSTRUCTION INPUT					
5	R/W	H/L	H; DATA READ (MODULE>MPU) L: DATA WRITE (MCDULE <mpu)< td=""></mpu)<>					
6	E	H,H->L	ENABLE					
7~14	DBO~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℃									
ПЕМ		SYMBOL	CONDITION	STAN	UNIT				
				MIN.	TYP.	MAX.	UNII		
SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vas	-	_	5.0	-	٧		
SUPPLY CURRENT FOR LOGIC		l DD	V _{DD} =5V	_	2.0	3.D	mΑ		
	HIGH	٧ _{IH}	-	2.2	-	۷DD	٧		
INPUT VOLTAGE	LOW	٧ _{IL}	-		-	D.6	٧		
	HIGH	V _{OH}	l _{OH} =−0.205mA	2.4	-	-	٧		
OUTPUT VOLTAGE	LOW	V _{OL}	l _{⊘L} =1.6ma	_	-	0.4	٧		

ABSOLUTE MAXIMUM RATINGS								
ПЕМ	SYMBOL	TEST	STANDARD VALUE		UNIT			
ITEM		CONDITION	MIN	MAX	DINII			
SUPPLY VOLTAGE FOR LOGIC	Vpp-Vss	Ta=25°C	4.7	5.3	٧			
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Va	_	4.2 0 50°C	4.8 0 0°C	٧			
INPUT VOLTAGE	٧	Ta=25°C	Vss	V DD	٧			
OPERATING TEMPERATURE	Topr	LCM-S	0	50	ŗ.			
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	. C			

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PART NUMBER REV. LCM-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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