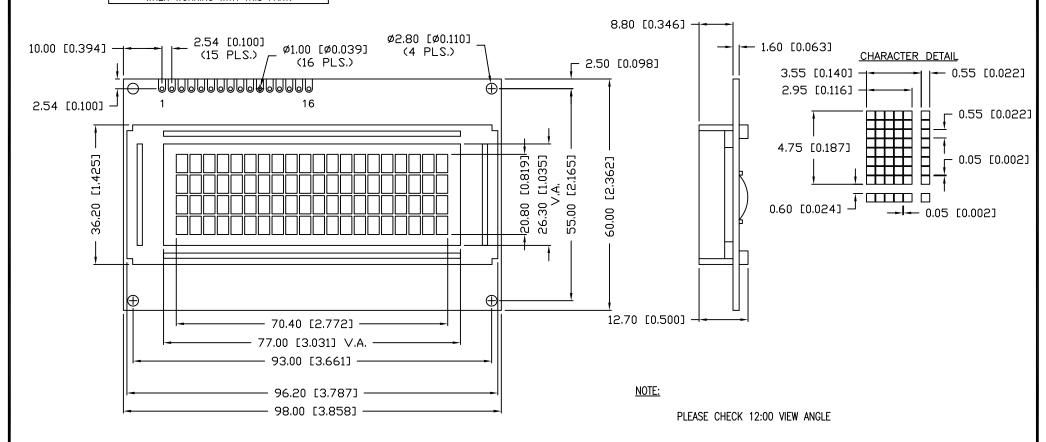
LCM-S02004DSF-1

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



*UNCONTROL_ED_DOCUMENT *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 MAX.= +0.00 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=

REV. PART NUMBER LCM-S02004DSF-1

4.75mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 4 LCD MODULE, 12:00 VIEW, 1/16 DUTY, 1/5 BIAS.

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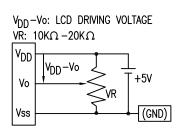
PAGE: 1 OF 2 SCALE: N/A

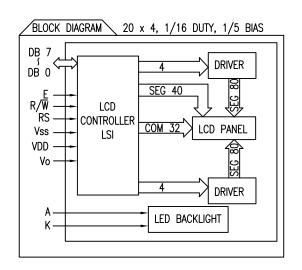
LCM-S02004DSF-1

PIN CONFIGURATION							
PIN NO.	SYMBOL	LEVEL	FUNCTION				
1	Vss	-		GND (OV)			
2	V_{DD}	ı	POWER SUPPLY	5V			
3	Vo	-		FOR LCD DRIVE			
4	RS	H/L	REGISTER SELECT SIGNAL H: DATA INPUT				
			L: INSTRUCTION INPUT				
5	R∕₩	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	_	ANODE	LED BACKLIGHT			
16	К	_	CATHODE	LED BACKLIGHT			

ELECTRICAL CHARACTERISTICS V _{DD} =4.7V to 5.3V, T _A =25°C								
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT	
IIEM				MIN.	TYP.	MAX.	UNII	
SUPPLY VOLTAGE FOR LOGIC		V _{DD} -Vss	ı	-	5.0	_	٧	
SUPPLY CURRENT FOR LOGIC		I _{DD}	V _{DD} =5V	ı	2.0	3.0	mA	
INPUT VOLTAGE HIGH LOW		٧ _{IH}	ı	2.2	ı	۷DD	٧	
		LOW	۷ _{IL}	-	0	-	0.6	٧
OUTPUT VOLTAGE HIGH LOW		V _{OH}	I _{OH} =-0.205mA	2.4	-	_	٧	
		LOW	V _{OL}	I _{OL} =1.6ma	-	1	0.4	٧
*LED BACKLIGHT	VOLTAGE		Vf	lf=300mA	-	4.2	4.5	٧
	CURRENT		lf	ı	-	300	600	mA
	POWER CUNSUMPTION		PD	ı	1	1260	_	mW
	LUMINOUS		Ĺ	lf=300mA	70	-	_	cd/m ²
	COLOR		-	_	-	-	_	nm

^{*}ONLY APPLIES TO MODULES WITH BACKLIGHT





ABSOLUTE MAXIMUM RATINGS									
ITEM	SYMBOL	TEST	STANDARD VALUE		UNIT				
LIIEM .		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	۷ _{DD}	٧				
OPERATING TEMPERATURE	Topr	LCM-S	0	50	ċ				
OPERATING TEMPERATURE		LCM-H	-20	70	ċ.				
STORAGE TEMPERATURE	Tstg	LCM-S	-20	70	•C				
STURAGE TEMPERATURE		I CM-H	-30	85	.c				

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REV. PART NUMBER LCM-S02004DSF-1

4.75mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 4 LCD MODULE, 12:00 VIEW, 1/16 DUTY, 1/5 BIAS.

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