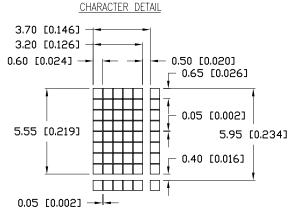
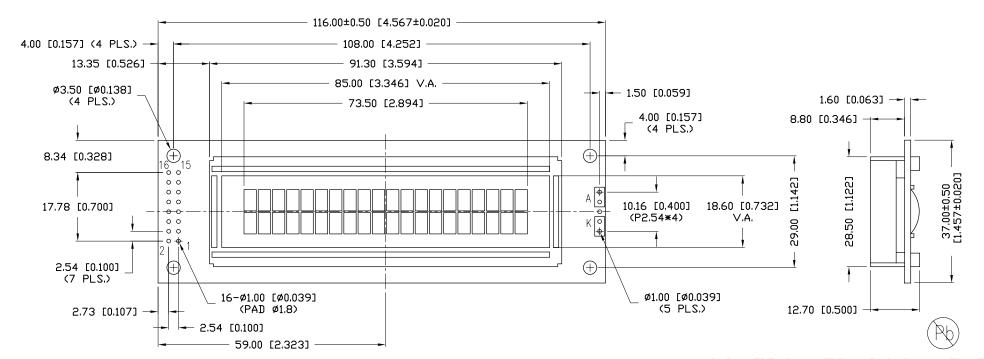
LCM-S02002DSF



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 MAX.= +0.00 -DECIMAL PRECISION

REV. PART NUMBER LCM-S02002DSF

5.55mm CHARACTER HEIGHT, 5 x 8 DOT MATRIX, 20 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS, STN, TRANSFLECTIVE, LED BACKLIGHT.

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CHECKED BY: APPROVED BY: DATE: 11.07.07 DRAWN BY:

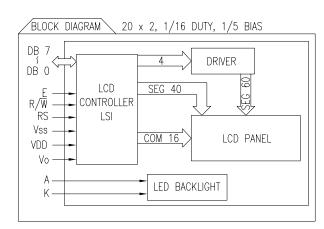
PAGE: 1 OF 2 N/A

SCALE:

LCM-S02002DSF

PIN CONFIGURATION							
PIN NO.	SYMBOL	LEVEL	FUNCTION				
1	Vss	_		GND (OV)			
2	V_{DD}	1	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	Е	H,H->L	ENABLE				
7~14	DB0~DB7	H/L	DATA BUS-SOFTWARE	SELECTABLE 4 OR 8 BIT MODE.			
15	А	_	ANODE	LED BACKLIGHT			
16	K	_	CATHODE	LED BACKLIGHT			

	-Vo: LCD DRIVING VOLTAGE $10 \mathrm{K}\Omega - 20 \mathrm{K}\Omega$
V_{DD}	V _{DD} -V _O
Vo	VR T+5V
Vss	(GND)



/ ELECTRICAL CHARACTERISTICS V_{DD} =4.7V to 5.3V, T_A =25°C								
ITEM			SYMBOL	CONDITION	STANDARD VALUE			UNIT
					MIN.	TYP.	MAX.	UNII
SUPPLY VOLTAGE FOR LOGIC			V _{DD} -Vss	_	_	5.0	-	V
SUPPLY CURRENT FOR LOGIC			DD	$V_{DD}=5V$	-	2.0	3.0	mA
INPUT VOLTAGE HIGH LOW		٧ _{IH}	1	2.2	-	VDD	V	
		۷ _{IL}	_	0	_	0.6	٧	
OUTPUT VOLTAGE HIGH LOW		V _{OH}	=	2.4	-	-	V	
		V _{OL}	=	-	-	0.4	V	
*LED BACKLIGHT	VOLTAGE		Vf	lf=210mA	_	4.2	4.6	V
	CURRENT		lf	-	-	210	-	mA
	POWER CUNSUMPTION		PD	_	_	882	-	mW
	LUMINOUS		L	lf=210mA	70	_	_	cd/m²
	COLOR		_	_	_	_	_	nm

ABSOLUTE III WIIII OII TUTTITOS	\				
М	SYMBOL	TEST	STANDARD VALUE		UNIT
IVI		CONDITION	MIN	MAX	UNII
PPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧
PPLY VOLTAGE FOR LCD DRIVE	VDD-No	-	4.2@50°C	4.8@0°C	٧
PUT VOLTAGE	٧ı	Ta=25°C	Vss	۵ <i>۵</i> ۸	٧

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UNCONTROLLED DOCUMENT

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REV. PART NUMBER LCM-S02002DSF

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ABSOLUTE MAXIMUM RATINGS

OPERATING TEMPERATURE

STORAGE TEMPERATURE

ITEN SUF SUF

CHECKED BY: APPROVED BY: DATE: 11.07.07 PAGE: 2 OF 2 SCALE: N/A

°C

°C

50

70

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