

VCO,	NTR	OLLE	ED DOCL	JMEN	'T				part number re LCM-S04004DSF-XB
PIN	CONFIGUR								
FIN NO.	SYMBOL	LEVEL	FUNCTION				7		
1~8	DB7~DB0	H/L	DATA BUS-SOFTWAR	RE SELECTAB	le 4 OR	b bit mode			
9	E1	H,H->L	ENABLE 1						
10	R∕₩	H/L	H: DATA READ (MOI L: DATA WRITE (MOI						
11	RS	H/L	REGISTER SELECT S H: DATA INPUT L: INSTRUCTION INP	SIGNAL	r			V <sub>DD</sub> -Vo: LCD DRMING VOLTAGE <u>VR: 1</u> 0KΩ-20KΩ	BLOCK DIAGRAM 40 x 4, 1/16 DUTY, 1/5 BIAS
12	Vo	-		FOR LCD	BRIVE				
13	Vss	-	POWER SUPPLY	GND (OV)					
14	VDD	-		5V					
15	E2	H,H–>L	ENABLE 2						
16	-	-	NO CONNECTION					Vss (GN	
	А	-	ANODE FOR BACKLI	IGHT					
	К	-	CATHODE FOR BACK	<li>KLIGHT</li>					
			$\overline{\}$						
/ ELECTR	ICAL CHAR	ACTERISTIC	$\simeq$ V <sub>DD</sub> =4.7V	to 5.3V, TA:	=25"C				
ITEM			SYMBOL (	CONDITION		NRD VALUE TYP.   MAX.	UNIT		
SUPPLY V	/OLTAGE F	xr logic	V <sub>DD</sub> -Vas	-	-	5.0 -	V		
SUPPLY (	CURRENT F	OR LOGK		V <sub>DD</sub> =5V	-	4.0 10.0	mA	ABSOI	LUTE MAXIMUM RATINGS
	ITACE	HIGH	VIH	-	2.2	- VDD	V	ПЕМ	SYMBOL TEST STANDARD VALUE UNIT

ITFM	SYMBOL	TEST	STANDAR	d value	UNIT		
	SIMDOL	CONDITION	MIN	MAX	UNIT		
Supply voltage for logic	Vpp-Vss	Ta=25°C	4.7	5.3	V		
SUPPLY VOLTAGE FOR LCD DRIVE	Vpp-Vø	-	4.2 <b>@</b> 50°C	4.800°C	V		
INPUT VOLTAGE	٧I	Ta=25°C	Vss	۷ <sub>DD</sub>	>		
OPERATING TEMPERATURE	Т	LCM-S	0	50	.С		
VERAIING TEMPERATURE	Торг						
STORAGE TEMPERATURE	Tatg	LCM-S	-20	70	<b>'</b> C		
STURAGE IEWIFERATURE							

\*ONLY APPLIES TO MODULES WITH BACKLIGHT

LOW

HIGH

LQW

۷<sub>IL</sub>

VOH

VOL

Vf

lf

PD

L

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INPUT VOLTAGE

OUTPUT VOLTAGE

\*LED

VOLTAGE

CURRENT

BACKLIGHT POWER CUNSUMPTION

COLOR

0

2.4

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-

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70

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-

-

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lf=500mA

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-

4.2

50D

2100

-

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0.6

-

0.4

4.6

-

-

-

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V

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mΑ

mΨ

cd/m²

nm

LIES TO MODULES WITH BACKLIGHT UNCONTROLLED DOCUMENT \*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.092), LEAD LINGTH=±0.75 (±0.030). NN= +DECINAL PRECISION WAX.= +0.000 \*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL 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 (±0.092), LEAD LINGTH=±0.75 (±0.030). NN= +DECINAL PRECISION WAX.= +0.000 \*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL 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 (±0.092), LEAD LINGTH=±0.75 (±0.030). NN= +DECINAL PRECISION WAX.= +DE

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4	0 x 4 LCD CHARACTER MODULE, 1/16 DUTY, 1/5 BIAS, TRANSFLECTIVE, LED BACKLIGHT, 6:00 VIEW ANGLE, EUROPEAN FONT IC,	CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THRO PARTIES. <u>Reliability Note</u> Our Namy Years of Experience data accumulation indicate that souder heat is a major cause of early and future failure. Please pay trutonton to your soudering process.			.com.tw

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