

											LCM-S	part ni 0160		F–C	:T1	
											REV. E.C.N. NUMBE	R AND F	REVISION	COMMEN	NTS	[
NO. S 1 2 2 3 4 5 6 6	Vss V _{DD} Vo RS R/W E X0~DB7 A		L: DATA WI ENABLE	Select S NPUT Ition inp Ead (Moi Rite (Moi		<u>4 or</u> Ght	8 BIT 1	MODE.		V _{DD} -Vo: LCD DRIVING VOLTAGE VR: 10KΩ -20KΩ VDD VDD-Vo Vo Vss VR (C			1, 1/16 DU COM 8 OM 8			
16	K CAL CHAF	RACTERIST	_	V _{DD} =4.7\	/ to 5.3V, TA=	=25 °C										
	CAL CHAP	acterist	ics y Syme	BOL	/ to 5.3V, Тд= СОNDПЮN) ARD V TYP.	MAX.	UNIT]
	XAL CHAF	ACTERIST	ICS SYME VDD-	BOL -Vss	CONDITION -	STAN	TYP. 5.0	MAX. —	V	ABS	OLUTE MAXIMUM RATINGS					
15 ELECTRIC EM UPPLY VC	CAL CHAF	CR LOGIC	ICS SYMI C VDD- C VII	BOL -Vss ID H	condition - V _{DD} =5V -	STANI MIN. - 2.2	TYP. 5.0 1.6 -	MAX. - 2.5 V _{DD}	V mA V	<u> </u>	olute maximum ratings	SAMBUI	TEST	STANDAR		
15 ELECTRIC EM UPPLY VC	CAL CHAF	CR LOGIC	ICS SYME C DD- C D VII VII	BOL -Vss ID H L	сондпіон — — — — — —	STANI MIN. - 2.2 0	TYP. 5.0 1.6 -	MAX. - 2.5 V _{DD} 0.6	V Am V V	ПЕМ		SYMBOL	CONDITION	MIN	MAX	
16 ELECTRIC EM JPPLY VC JPPLY CU	CAL CHAF DLTAGE F JRRENT I TAGE	CR LOCIC FOR LOCIC FOR LOCIC HIGH LOW HIGH	ICS SYMI C DD- C ID VII VII	BOL -Vss DD H L DH	condition - V _{DD} =5V -	STANE MIN. - 2.2 0 2.4	TYP. 5.0 1.6 - - -	MAX. - 2.5 V _{DD} 0.6 -	V mA V V V	TTEM	(Voltage for logic	V _{DD} -Vss	CONDITION Ta=25°C	MIN 4.7	MAX 5.3	v
16 ELECTRIC EM JPPLY VC JPPLY CL PUT VOL	CAL CHAP XITAGE F JRRENT TAGE XITAGE	CR LOGIC TOR LOGIC TOR LOGIC HIGH LOW HIGH LOW	ICS SYME SYME C ID VII VII VII VII VII VII VII V	ВОL -Vss ID H L IH IL	соноткон - V _{DD} =5V - - - -	STANI MIN. - 2.2 0 2.4 -	TYP. 5.0 1.6 - - - -	MAX. - 2.5 V _{DD} 0.6 - 0.4	V Am V V V V V	ITEM SUPPLY SUPPLY	(voltage for logic (voltage for logic drive	V _{DD} -Vss V _{DD} -Vo	CONDITION Ta=25°C -	MIN 4.7 4.2050°C	MAX 5.3 4.8@+0°C	
16 ELECTRIC EM JPPLY VC JPPLY CU JPPLY VC	CAL CHAP XTAGE F JRRENT TAGE XTAGE VOLTAGE	CR LOGIC FOR LOGIC FOR LOGIC HIGH LOW HIGH LOW E	ICS SYME C ID C ID VII VII VO VO VO	BOL -Vss ID H L IH IN N F	сондптон - V _{DD} =5V - - -	STANE MIN. - 2.2 0 2.4	TYP. 5.0 1.6 - - - 4.2	MAX. - 2.5 V _{DD} 0.6 - 0.4 4.6	V Am V V V V V V	ITEM SUPPLY SUPPLY INPUT	(voltage for logic (voltage for log drive voltage	V _{DD} -Vss V _{DD} -Vo VI	CONDITION Ta=25°C — Ta=25°C	MIN 4.7 4.2050°C Vss	MAX 5.3 4.8@0°C V _{DD}	v v v
IB ELECTRIC EM UPPLY VC UPPLY CL IPUT VOL UTPUT VC	CAL CHAP DITAGE F JRRENT I TAGE DITAGE VOLTAGE CURREN	CR LOGIC FOR LOGIC FOR LOGIC HIGH LOW HIGH LOW E T	ICS SYME C VDD- C VII VII VII VO VQ VQ	BOL -Vss ID H L DH JL ff	CONDITION - VDD=5V - - - - If=150mA	STANI MIN. - 2.2 0 2.4 - -	TYP. 5.0 1.6 - - - - - - - - 1.50	MAX. - 2.5 V _{DD} 0.6 - 0.4	V MA V V V V V V MA	ITEM SUPPLY SUPPLY INPUT	(voltage for logic (voltage for logic drive	V _{DD} -Vss V _{DD} -Vo	CONDITION Ta=25°C - Ta=25°C LCM-S	MIN 4.7 4.2050°C Vss 0	MAX 5.3 4.8@0°C V _{DD} 50	> > ?
	CAL CHAP DITAGE F JRRENT I TAGE DITAGE VOLTAGE CURREN	CR LOGIC FOR LOGIC FOR LOGIC HIGH LOW HIGH LOW E TT CUNSUM	ICS SYME C VDD- C VII VII VII VO VQ VQ	BOL -Vss ID H L DH JL ff	СОNDПЮN - V _{DD} =5V - - - f=150mA -	STANE MIN. - 2.2 0 2.4 - - -	TYP. 5.0 1.6 - - - 4.2	MAX. - 2.5 V _{DD} 0.6 - 0.4 4.6 200	V Am V V V V V V	ITEM SUPPLY SUPPLY INPUT OPERAT	(voltage for logic (voltage for log drive voltage	V _{DD} -Vss V _{DD} -Vo VI	CONDITION Ta=25°C — Ta=25°C	MIN 4.7 4.2050°C Vss	MAX 5.3 4.8@0°C V _{DD}	v v v

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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