

UNCONTROLLED DOCUMENT PART NUMBER REV. 1CM - X00802DXXВ E.C.N. NUMBER AND REVISION COMMENTS REV. DATE SEE PAGE 1. PIN CONFIGURATION FUNCTION PIN NO. SYMBOL LEVEL GND (OV) 1 V55 -POWER SUPPLY 5V 2 VDD. _ VDD-Vo: LCD DRIVING VOLTAGE BLOCK DIAGRAM 8 x Z, 1/16 DUTY, 1/5 BIAS FOR LCD DRIVE 3 Vo _ VR: 10K0-20K0 DB 7 REGISTER SELECT SIGNAL VDD 4 RS H/L h: data input V_{DD}-Vo DBO L: INSTRUCTION INPUT . +5V V٥ LCD SEG 40 H; DATA READ (MODULE-->MPU) R∕₩Ī R/W 5 H/L L: DATA WRITE (MODULE<--MPV) Vss (GND) RS -LSI 6 Е H,H->L ENABLE Vss COM 16 LCD PANEL DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE. 7~14 DB0~DB7 H/L VDD Va LED BACKLIGHT к ▲ V_{DD}=4.7V to 5.3V, TA=25℃ ELECTRICAL CHARACTERISTICS STANDARD VALUE ITEM SYMBOL CONDITION UNIT MIN. TYP. MAX. V_{DD}-Vss SUPPLY VOLTAGE FOR LOGIC _ _ 5.0 _ V ABSOLUTE MAXIMUM RATINGS V_{DD}=5V SUPPLY CURRENT FOR LOGIC 1_{DD} _ 2.0 3.0 mA ۷H 2.2 HIGH _ _ VDD ٧ TEST STANDARD VALUE ITEM SYMBOL UNIT INPUT VOLTAGE MAX LOW ۷ı _ ۵ _ 0.6 ۷ CONDITION MIN HIGH VOH -Z.4 _ _ ٧ SUPPLY VOLTAGE FOR LOGIC VDD-Vss Ta=25°C 4.7 5.3 V OUTPUT VOLTAGE LOW VOL _ _ _ 0.4 ۷ SUPPLY VOLTAGE FOR LCD DRIVE VDD-Vo _ .2050°C 4.800°C ۷ V DD VOLTAGE Vf 4.5 5.0 ٧ INPUT VOLTAGE Ta=25*C ٧ lf=70mA _ ٧ı Vss CURRENT lf 70 LCM-S Ċ _ _ 110 mΑ 0 50 OPERATING TEMPERATURE *LED Topr PD LCM-H -20 Ċ POWER CUNSUMPTION _ _ 315 _ m₩ 70 BACKLIGHT LUMINOUS ç L lf=70mA 70 _ _ cd/m² LCM-S -20 70 STORAGE TEMPERATURE Tstg COLOR LCM-H -30 85 ç _ _ nm ***ONLY APPLIES TO MODULES WITH BACKLIGHT** *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.030), NIN= +DECINAL PRECISION WAX.= +0.DD -DECINAL PRECISIO

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	5.56mm CHARACTER HEIGHT, 5x8 DOT MATRIX, 8x2, LCD MODULE, 1/16 DUTY, 1/5 BIAS.	<u>Relability note</u> Our nany years of experence data accumulation indicate that solder heat is a major cause of early and future failure.	DRAWN BY:		APPROVED BY:	DATE: PAGE:	9.5.03 2 OF 2
		PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	CT			SCALE:	N/A

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