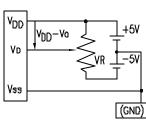


UNCONTROLLED DOCUMENT

PIN CONFIGURATION \							
PIN NO.	SYMBOL	LEVEL	FUNCTION				
1	Vss	-		GND (0V)			
2	$V_{ m DD}$	-	POWER SUPPLY	5V			
3	Vo	-		FOR LCD DRIVE			
4	RS	H/L	REGISTER SELECT SIGNAL				
			H; DATA INPUT				
			L: Instruction input				
5	R/W	H/L	H: DATA READ (MODULE>MPU)				
, J			L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>				
6	E	H,H->L	ENABLE				
7∾14	DBO~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR B BIT MODE.				
15	Α	_	ANOBE	LED BACKLIGHT			
16	K	_	CATHODE	LED BACKLIGHT			

V_{DD}-Vo: LCD DRMING VOLTAGE VR: 10KΩ -20KΩ



Α

ELECTRICAL CHARACTERISTICS V _{DD} =4.7V to 5.3V, T _A =25°C									
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT		
	II EM				MIN.	TYP.	MAX.	וואוט	
	SUPPLY VO	LTAGE FOR	SE FOR LOGIC NT FOR LOGIC HIGH LOW HIGH LOW TAGE RRENT NER CUNSUMPTION	V _{DD} -Vaa	-	-	5.0	-	٧
SUPPLY CURRENT FOR LOGIC		lDD	V _{DD} =5∨	-	2.0	3.0	mA		
			HIGH	ν _{IH}	-	2.2	_	۷DD	٧
	INPUT VOLTAGE LOW		LOW	VIL	-	0	_	0.6	٧
	DUTTOUT VOLTAGE		V _{OH}	I _{OH} =-0.205mA	2.4	_	-	٧	
			VoL	I _{OL} =1.6mA	-	_	D.4	٧	
	VOLTAGE		Vf	lf=550mA	-	4.2	4.5	٧	
	*LED BACKLIGHT	CURRENT		If	-	-	550	6D0	mΑ
		POWER CUNSUMPTION		PD	-	-	2310	-	mW
		LUMINOUS		L	lf=550mA	70	_	-	cd/m²
1	CULUB		_	_	_	_	_	nm	

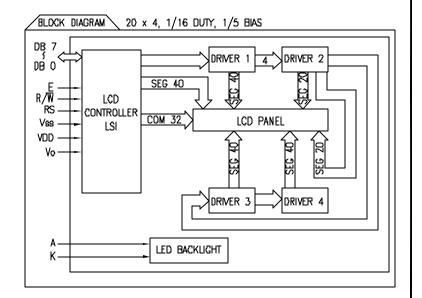
^{*}ONLY APPLIES TO MODULES WITH BACKLIGHT

PART NUMBER LCM-X02004DXX/D-Y

REV. E.C.N. NUMBER AND REVISION COMMENTS DATE SEE PAGE 1,

REV.

В



ABSOLUTE MAXIMUM RATINGS	\				
ПЕМ	SYMBOL	TEST	STANDARD VALUE		UNIT
IIEM		CONDITION	MIN	MAX	OIVII
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	4.7	5.3	٧
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-V0	-	0.5	10.0	٧
INPUT VOLTAGE	٧ _I	Ta=25°C	Vss	v DD	٧
OPERATING TEMPERATURE	Topr	LCM-H	-20	80	3.
STORAGE TEMPERATURE	Tstg	LCM-H	-30	85	3.

UNCONTROLLED DOCU

*UNLESS OTHERWISE SPECIFED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XXX=±0.5 (±0.020), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION MAX.=+0.00 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION MAX.=+0.00 (±0.005).

PART NUMBER REV. LCM-X02004DXX/D-Y

9.22mm CHARACHTER HEIGHT, 20 x 4 CHARACHTERS, 5 x 8 DOT MATRIX LCD MODULE. STN YELLOW, 1/16 DUTY, 1/5 BIAS.

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RELIABILITY NOTE OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD |PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com

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