

ÛIV	COI	ν / / τ (	JLLE	DDO	CONEIV					LCM-X04004DXX	A			
										REV. E.C.N. NUMBER AND REVISION COMMENTS	DATE			
		CONFIGUR								SEE PAGE 1.				
				FUNCTION					7					
							R 8 BIT	MODE	-					
	9 E1 H,H->L ENABLE 1							WODL	·					
-	10 R/W H/L H: DATA READ (MODULE>MP					>MPU)								
	10	к/ W	H/L	L: DATA WRITE	DATA WRITE (MODULE <mpu)< td=""><td></td><td></td><td></td><td></td></mpu)<>									
				REGISTER SELE										
	11	RS	· · ·	H: DATA INPUT L: INSTRUCTION INPUT						$V_{DD}$ - Vo: LCD DRIVING VOLTAGE VR: 10K $\Omega$ - 20K $\Omega$ BLOCK DIAGRAM 40 x 4, 1/16 DUTY, 1/5 BIAS	-			
-	12	Vo	_	L: INSTRUCTION					_					
-	13	VO Vss	_	FOR LCD DRIVE POWER SUPPLY GND (OV)				_	$ ^{\circ}DD $ $ _{OD} = V_{OD}$ $ _{OD} = \sqrt{2}$					
-	14	VDD	_	I OWER OUT	5V	)			-					
F	15	E2	H,H->L	ENABLE 2	I				1					
	16 – – NO CONNECTION									$V_{SS} \longrightarrow (GND) \qquad RS \longrightarrow LSI \times 2 \qquad \qquad$				
		А		ANODE FOR BA										
		K	-	CATHODE FOR	BACKLIGHT					VDD				
										K				
				\										
/	ELECTRI	ICAL CHAR	ACTERISTICS	5 V <sub>DD</sub> =4	4.7V to 5.3V, T <sub>A</sub>	=25°C								
	EM			SYMBOL		STAN	IDARD V	ALUE	UNIT					
					CONDITION	MIN.		MAX.	UNIT					
		OLTAGE F		V <sub>DD</sub> -Vss	-	-	5.0	-	V	ABSOLUTE MAXIMUM RATINGS				
SU	JPPLY C	CURRENT F	OR LOGIC	I DD	V <sub>DD</sub> =5V	-	4.0	10.0	mA		_			
IN	PUT VOI	LTAGE	HIGH LOW	V <sub>IH</sub> V <sub>IL</sub>		2.2	-	V DD 0.6	V	ITEM SYMBOL TEST STANDARD VALUE UN	IT			
-			HIGH	VOH		2.4	_	-	V	SUPPLY VOLTAGE FOR LOGIC VDD-VSS Ta=25°C 4.7 5.3 V	_			
0	UTPUT V	'OLTAGE	LOW	VOL	-		_	0.4	V	SUPPLY VOLTAGE FOR LCD DRIVE VDD-Vo - 4.2050°C 4.800°C V				
		VOLTAGE		Vf	-	- 1	4.2	4.6	V	INPUT VOLTAGE VI Ta=25°C Vss VDD V				
*1	.ED	CURRENT POWER CUNSUMPTIC		lf	-	-	500	-	mA		;			
	LED ACKLIGHT			ION PD	_		2100 -	mW	LCM-H -20 70 70					
		LUMINU	US	L	lf=500mA	70	-	-	cd/m²	STORAGE TEMPERATURE Tstg				
		COLOR		-	-	-	-	-	nm	LCM-H -30 85 °C	;			
*0	NLY APF	PLIES TO N	MODULES W	ITH BACKLIGHT						UNCONTROLLED DOCUN	ALAIT			
						105 V 1			0.5 (1.5.050)	$///CO//HOLLED_DOCO//$ , X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION_MAX.= +0-DOCO//	//////			
		*UNLESS OF	HERWISE SPECI	FIED TOLERANCES PE	ER DECIMAL PRECISION	ARE: X=±	1 (±0.039	), X.X=±	0.5 (±0.020),		ÉCIMAL PRECISION			
REV.									CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF UNIFY INC. EXCEPT AS SOCIEDARY AUTOMOTOR IN WORTHING BY LINEY					
А	A LCM-X04004DXX								Inc. THE HOLF AS SPECIFICAL ANTINEED IN WINNESS I CANADA ANTINE AND ANTINE AND ANTINE AND ANTINESS IN WORK FOR YOU PHONE: +1.847.359.2790					
/ \	CONIA							CONTAIN	IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.					
	- 4.89m	m CHAF	RACTER	HEIGHT. 5 >	x 8 DOT MAT	RIX.				RELABILITY NOTE DRAWN BY CHECKED BY APPROVED BY DATE	9.10.98			
	, , , , , , , , , , , , , , , , , , , ,									A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.	1 OF 2			
4U X	40 x 4 LCD CHARACTER MODULE, $1/16$ DUTY, $1/5$ BIAS.									ATTENTION TO YOUR SOLDERING PROCESS. CT SCALE:				

PART NUMBER

REV.

UNCONTROLLED DOCUMENT

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