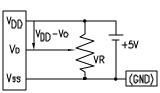


UNCONTROLLED DOCUMENT

✓ PIN CONFIGURATION \

		\						
PIN NO.	SYMBOL	LEVEL	FUNCTION					
1	Vss	-	GND (0V)					
2	$V_{ m DD}$	-	POWER SUPPLY	5V				
3	Vo	-		FOR LCD DRIVE				
			REGISTER SELECT SIG	NAL				
4	RS	H/L	H: DATA INPUT					
			L: INSTRUCTION INPUT					
5	R/W	u /ı	H; DATA READ (MODULE>MPU)					
Ð	КуМ	H/L	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				

 $V_{DD}-V_0$: LCD DRMING VOLTAGE VR: $10 \text{K}\Omega$ $-20 \text{K}\Omega$



FLECTRICAL CHARACTERISTICS

V_{nn}=4.75V ta 5.25V, T_A =25°C

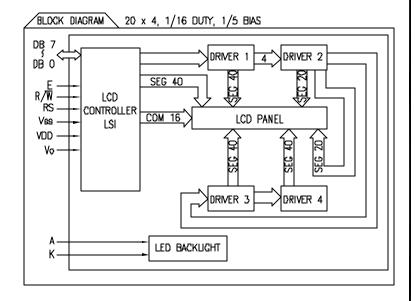
/ LLLCINIC	AL CHARAC	10/131/22 /		:#./3V tu 3.23V, 1/	1-52 P				
ITEM			SYMBOL	CONDITKΩN	STAN	UNIT			
IILM				CONDITION	MIN.	TYP.	MAX.	וואוט	
SUPPLY VO	LTAGE FOR	LOGIC	VDD-Vas	1	1	5.0	1	٧	
SUPPLY CU	irrent for	LOGIC	OQ I	۷ _{DD} =5۷	1	1.0	2,2	mΑ	
INPUT VOLTAGE HIGH LOW			٧ _H	1	-	VDD	٧		
			ا∟	1	0	-	0.6	٧	
OUTPUT VOLTAGE LOW			v _{oH}	I _{OH} =-0,205mA	2.4	-	1	٧	
			씽	I _{OL} =1.6mA	1	-	D.4	٧	
	VOLTAGE		۷f	If=550mA	1	4.2	4.5	٧	
*LED BACKLIGHT	CURRENT		If	1	1	550	6D0	mΑ	
	POWER CL	NSUMPTION	PD	1	1	2310	1	mW	
	LUMIN∆US		١	If=550mA	7D	-	1	cd/m²	
	COLOR		-	1	_	_	_	nm	

*ONLY APPLIES TO MODULES WITH BACKLIGHT

DDRAM ADDRESS

LINE 1;	00	01	02	03	04	05	06	07	08	09	ĊΑ	ОB	00	OD	0E	٥F	10	11	12	13
LINE2:	40	41	42	43	44	45	46	47	48	49	4A	4B	4C	4D	4E	4F	50	51	52	53
LINE3:	14	15	16	17	18	19	1A	18	1C	1D	1E	1F	2D	21	22	23	24	25	26	27
LINE4:	54	55	56	57	58	59	5A	5B	5C	5D	5E	5F	60	61	62	63	64	65	66	67

PART NUMBER LCM-H02004DSF/D-Y C E.C.N. NUMBER AND REVISION COMMENTS DATE SEE PAGE 1.



ABSOLUTE	MAXIMUM	RATINGS \
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	\					
ITEM	SYMBOL	TEST	STANDAR	UNIT		
IILM	JIMDOL	CONDITION	MIN	MAX	ווווט	
SUPPLY VOLTAGE FOR LOGIC	VDD-Vss	Ta=25°C	-0.3	7.0	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDD-Vo	-	0	4.9	٧	
INPUT VOLTAGE	٧I	Ta=25°C	Vss	v DD	٧	
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	Ω,	
STORAGE TEMPERATURE	Tstg	LCM-H	-30	80	3.	

UNCONTROLLED DOCUMENT 5 (40 DDD) 154D 150/2TH-40.75 (40 073) NNI-+DECNAL PRECISION NNY-+0.00

*UNIESS OTHERWISE SPECIFED TOLERANCES PER DECIMAL 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 (±0.002), LEAD LENGTH=±0.75 (±0.030). NN=+DECIMAL PRECISION WAX.=+0.00

REV.

PART NUMBER
LCM-H02004DSF/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 nany 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.



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JC

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