

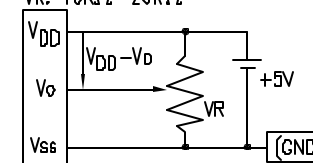
SCALE: N/A

LCM-H320240GWF/A

PRELIMINARY IN P/N DIR

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT
			MIN	MAX	
SUPPLY VOLTAGE FOR LOGIC	$V_{DD}-V_{SS}$	$T_a=25^{\circ}\text{C}$	2.7	4.5	V
INPUT VOLTAGE	V_I	$T_a=25^{\circ}\text{C}$	V_{SS}	$V_{DD}+0.3$	V
OPERATING TEMPERATURE	T_{opr}	LCM-H	-20	70	$^{\circ}\text{C}$
STORAGE TEMPERATURE	T_{stg}	LCM-H	-30	85	$^{\circ}\text{C}$

 $V_{DD}-V_o$: LCD DRIVING VOLTAGEVR: 10K Ω - 20K Ω 

ELECTRICAL CHARACTERISTICS

 $V_{DD}=2.7\text{V to }4.5\text{V}$, $T_A=25^{\circ}\text{C}$

ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT
				MIN.	TYP.	MAX.	
SUPPLY VOLTAGE FOR LOGIC		$V_{DD}-V_{SS}$	-	2.7	3.5	4.5	V
SUPPLY CURRENT FOR LOGIC		I_{DD}	$V_{DD}=5\text{V}$	-	2.0	3.0	mA
INPUT VOLTAGE	HIGH	V_{IH}	-	$0.5 V_{DD}$	-	V_{DD}	V
	LOW	V_{IL}	-	V_{SS}	-	$0.2 V_{DD}$	V
OUTPUT VOLTAGE	HIGH	V_{OH}	-	2.4	-	-	V
	LOW	V_{OL}	-	-	-	$V_{SS}+0.4$	V
LED BACKLIGHT	VOLTAGE	V_f	$I_f=TB0\text{mA}$	-	3.5	-	V
	CURRENT	I_f	-	-	-	-	mA
	POWER CONSUMPTION	P_D	-	-	-	-	mW
	LUMINOUS	L	$I_f=TB0\text{mA}$	-	-	-	cd/m ²
COLOR (WHITE)		-	-	-	-	-	nm

PIN ASSIGNMENT

PIN NO.	SYMBOL	FUNCTION
1	/RESET	RESET SIGNAL
2	/RD	80 SERIES: READ SIGNAL
3	/WR	80 SERIES: READ SIGNAL
4	/CS	CHIP SELECT SIGNAL
5	A0	DATA TYPE SELECTION
6-13	DB0-DB7	DATA BUS LINE
14	VDD	POWER SUPPLY FOR LOGIC CIRCUIT (+3.0V)
15	VSS	GROUND
16-22	NC	NO CONNECTION
23	LED A	POWER SUPPLY FOR LED
24	LED K	POWER SUPPLY FOR LED

*UNLESS OTHERWISE SPECIFIED 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). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

LCM-H320240GWF/A

CUSTOM 320x240 GRAPHIC MODULE, FSTN,
TRANSflective, 6:00, WITH WHITE BACKLIGHT.

CONFIDENTIAL INFORMATION

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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.



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SCALE: N/A

JN