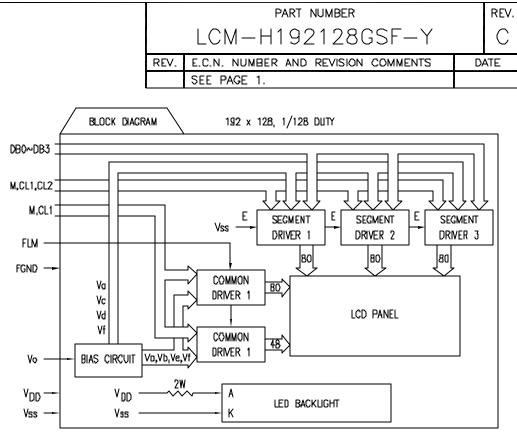


UNCONTROLLED DOCUMENT

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PIN CONFIGURATION						
PIN NO.	SYMBOL	FUNCTION				
1	D3	DATA LINE				
2	D2	DATA LINE				
3	FLM	The FLM Signal indicates the Beginning of each display cycle				
4	М	ALTERNATION CONTROL SIGNAL				
5	CL1	DATA LATCH CLOCK PULSE				
6	CL2	DATA SHIFT CLOCK PULSE				
7	D1	DATA LINE				
8	DO	DATA LINE				
9	V _{DD}	POWER SUPPLY (+5V)				
10	V55	POWER SUPPLY (GND)				
11	Vo	LCD CONTRAST VOLTAGE				
12	FGND	FRAME GROUND				
13	N/C	NO CONNECTION				
14	N/C	NO CONNECTION				
LED BACKLIGHT	A	ANODE CONNECTED TO VDD PIN #9				
LED BACKLIGHT	К	CATHODE CONNECTED TO V55 PIN #10				

Α	\Box / ELECTRICAL CHARACTERISTICS VDD=4.7V to 5.3V, TA=25°C								
	ITEM SUPPLY VOLTAGE FOR LOGIC SUPPLY CURRENT FOR LOGIC		SYMBOL	CONDITION	STANDARD VALUE			UNIT	
					MIN.	TYP.	MAX.	UNII	
			V _{DD} -Vss	-	4.5	5.0	5.5	۷	
			IDD	V _{DB} =5V	-	3.0	4.5	mA	
			HIGH	VIH	-	0.8*V _{DD}	-	-	٧
			LOW	٧ _L	-	0	-	0.2*V _{DD}	٧
			HIGH	VOH	-	V _{DD} -0.4	-	-	٧
			LOW	V _{OL}	-	-	-	0.4	٧
		VOLTAGE		Vf	lf=640	-	5V	-	٧
	LED CVRRENT			Ħ	-	-	64D	-	mA
		POWER CU	NSUMPTION	PD	-	-	3.2	-	W
		LUMINOUS		L	lf=640	-	-	-	∝d/m²
		DOMINANT	WAVELENGTH	٦ ₀	lf=20	_	573	_	nm



■ NOTE: 1.6 OHM 5% 2W RESISTOR MOUNTED ON THE PCB FOR LED BACKLIGHT. SMT RESISTOR VALUES FOR VOLTAGE DIVIDER ON PCB: R1=R2=R4=R5=2.42kΩ, R3=20.3kΩ

ABSOLUTE MAXIMUM RATINGS	`					
ITEM	SYMBOL	TEST	STANDARD VALUE		UNIT	
IIEM		CONDITION	MIN	MAX	UNIT	
SUPPLY VOLTAGE FOR LOGIC	Vpp-Vss	Ta=25"C	0	7	٧	
SUPPLY VOLTAGE FOR LCD DRIVE	VDDVo	-	0	20	٧	
INPUT VOLTAGE	٧I	Ta=25°C	-0.3	VDD+0.3	V	
OPERATING TEMPERATURE	Topr	LCM-H	-20	70	°C	
STORAGE TEMPERATURE	Tstg	LCM-H	-30	80	°C	

rev. C	part number LCM—H192128GSF—Y	CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE DR		PAL PHC US	DNE: +1.847.359 WEB: www.lume	57—6976 9.2790 x.com	
N	192 x 128 GRAPHIC MODULE, STN, TRANSFLECTIVE, YELLOW BACKGROUND, LED BACKLIGHT IO CONTROLLER, EXTENDED OPERATING TEMPERATURE.	In part from disclosure and dissemination to all throp parties. <u>Bellarility note</u> our namy 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.	DRAWN BY;		WEB: www.lume APPROVED BY:		/ 11.29.99 1 OF 1 N/A

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