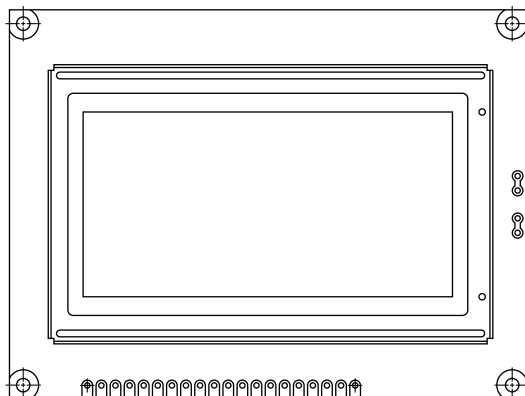


128 x 64 Graphic LCD



FEATURES

- Type: graphic
- Display format: 128 x 64 dots
- Built-in controller: NT7107, NT7108
- Duty cycle: 1/64
- +5 V power supply
- N.V. built-in
- LCD-128H064AB: N.V. option for +3.3 V
- LCD-128H064A1: double row interface
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module dimension	93.0 x 70.0	mm
Viewing area	72.0 x 40.0	
Dot size	0.48 x 0.48	
Dot pitch	0.52 x 0.52	
Mounting hole	88.0 x 65.0	
Character size	n/a	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power supply	V_{DD} to V_{SS}	4.75	5.0	5.25	V
Input voltage	V_I	- 0.3	-	V_{DD}	

Note

- $V_{SS} = 0$ V, $V_{DD} = 5.0$ V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input voltage	V_{DD}	L level	$0.7 V_{DD}$	-	V_{DD}	V
	V_{IO}	H level	0	-	$0.3 V_{DD}$	
Supply current	I_{DD}	$V_{DD} = +5$ V	-	2.5	7.5	mA
Recommended LC driving voltage for normal temperature version module	V_{DD} to V_0	-20 °C	9.9	10.4	10.9	V
		0 °C	9.7	10.2	10.7	
		25 °C	8.9	9.4	9.9	
		50 °C	8.6	9.1	9.6	
		70 °C	8.4	8.9	9.4	
LED forward voltage	V_F	25 °C	-	4.2	4.6	V
LED forward current - array	I_F	25 °C	-	330	660	mA
LED forward current - edge			-	120	240	
EL power supply current	I_{EL}	$V_{EL} = 110 V_{AC}$, 400 Hz	-	-	5.0	mA

OPTIONS									
PROCESS COLOR						BACKLIGHT			
TN	STN GRAY	STN YELLOW	STN BLUE	FSTN B&W	STN COLOR	NONE	LED	EL	CCFL
-	x	x	x	x	-	x	x	x	-

For detailed information, please see the "Product Numbering System" document.



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