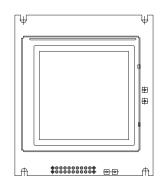


Vishay

128 x 128 Dots Graphic LCD



FEATURES

- Built-in controller TOSHIBA-(T6963C)
- 1/128 duty cycle
- N.V. optional
- + 5V power supply

MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	85.0 x 100.0	mm		
Viewing Area	62.0 x 62.0	mm		
Mounting Hole	75.0 x 94.0	mm		
Dot Pitch	0.4 × 0.4	mm		

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE UNIT			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.75	5.0	5.25	v
Input Voltage	VI	- 0.3	_	VDD	v

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

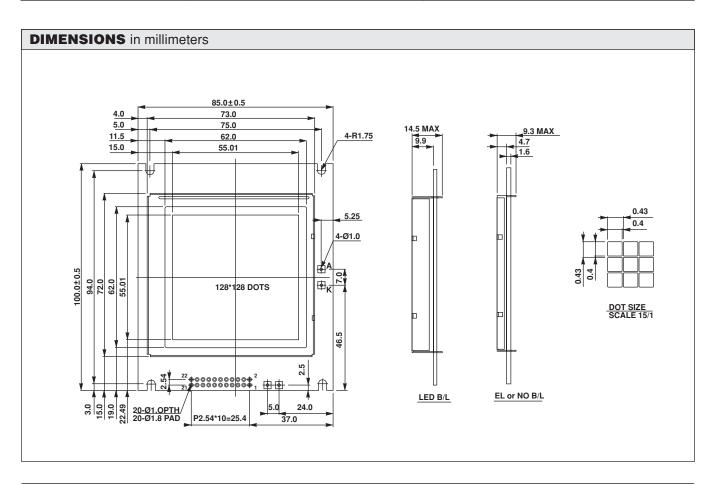
ELECTRICAL SPECIFICATIONS						
ITEM	SYMBOL CONDITION		STANDARD VALUE			UNIT
			MIN.	ТҮР.	MAX.	
Input Voltage	VDD	L level	0.7V _{DD}	-	V _{DD}	v
	VIO	H level	_	-	0.3V _{DD}	V
Supply Current	IDD	VDD = 5V	_	1.5	-	mA
Recommended LC Driving		- 20°C	_	18.0	_	_
Voltage for Normal Temp.	VDD-V0	25°C	_	17.0	_	v
Version Module		60°C	_	16.0	-	
LED Forward Voltage	VF	25°C	_	4.2	4.6	v
LED Forward Current	IF	25°C	_	500	-	mm
EL Power Supply Current	IEL	Vel = 110VAC; 400Hz	_	-	5.0	mA

Vishay

128 x 128 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION		
1	FGND	Frame Ground		
2	GND	Power Supply (GND)		
3	Vdd	Power Supply (+ 5V)		
4	Vo	Contrast Adjustment		
5	WR	Data Write		
6	RD	Data Read		
7	CE	Chip Enable		
8	C/D	Command/Data Select		
9	NC	No Connection		
10	RST	Reset Signal		
11	DB0	Data Bus Line		
12	DB1	Data Bus Line		
13	DB2	Data Bus Line		
14	DB3	Data Bus Line		
15	DB4	Data Bus Line		
16	DB5	Data Bus Line		
17	DB6	Data Bus Line		
18	DB7	Data Bus Line		
19	FS	Font Selection		
20	NC/Vee	NC/Negative Voltage Output		
21	A Power Supply for LED B/L (+ 4.2V)			
22	К	Power Supply for LED B/L (0V)		





Vishay

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.