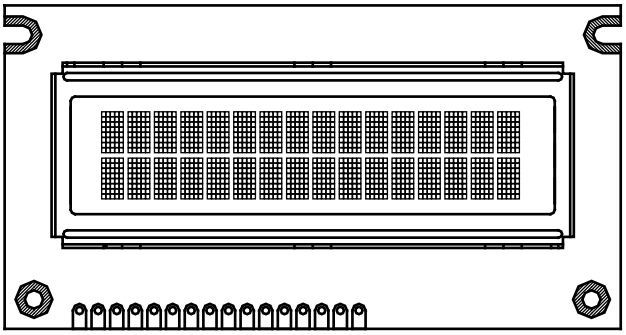
16 x 2 Character OLED



FEATURES

- Type: Character
- Display format: 16 x 2 characters
- Built-in controller: OLED-0010
- Duty cycle: 1/16
- +5 V power supply, +3 V optional
- Interface: 6800, option 8080 and SPI
- Sunlight readable and polarizer optional
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb-free

RoHS COMPLIANT

MECHANICAL DATA

ITEM	STANDARD VALUE	UNIT
Module dimension	84.0 x 44.0 x 10.0 (max.)	mm
Viewing area	66.0 x 16.0	
Active area	56.95 x 11.85	
Dot size	0.55 x 0.65	
Dot pitch	0.60 x 0.70	
Mounting hole	76.0 x 36.0	
Character size	2.95 x 5.55	
Character pitch	3.6 x 6.3	

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	STANDARD VALUE		UNIT
		MIN.	MAX.	
Supply voltage for logic	V_{DD} to V_{SS}	-0.3	5.3	V
Input voltage	V_I	-0.3	V_{DD}	

Note

- V_{SS} = 0 V, V_{DD} = 3.0 V/5.0 V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Supply voltage for logic	V_{DD} to V_{SS}	-	3.0	5.0	5.3	V
Input high voltage	V_{IH}	-	0.9 V_{DD}	-	V_{DD}	V
Input low voltage	V_{IL}	-	GND	-	0.1 V_{DD}	V
Output high voltage	V_{OH}	I_{OH} = 0.5 mA	0.8 V_{DD}	-	V_{DD}	V
Output low voltage	V_{OL}	I_{OL} = 0.5 mA	GND	-	0.2 V_{DD}	V
Supply current	I_{DD}	V_{DD} = 5 V	-	30	-	mA

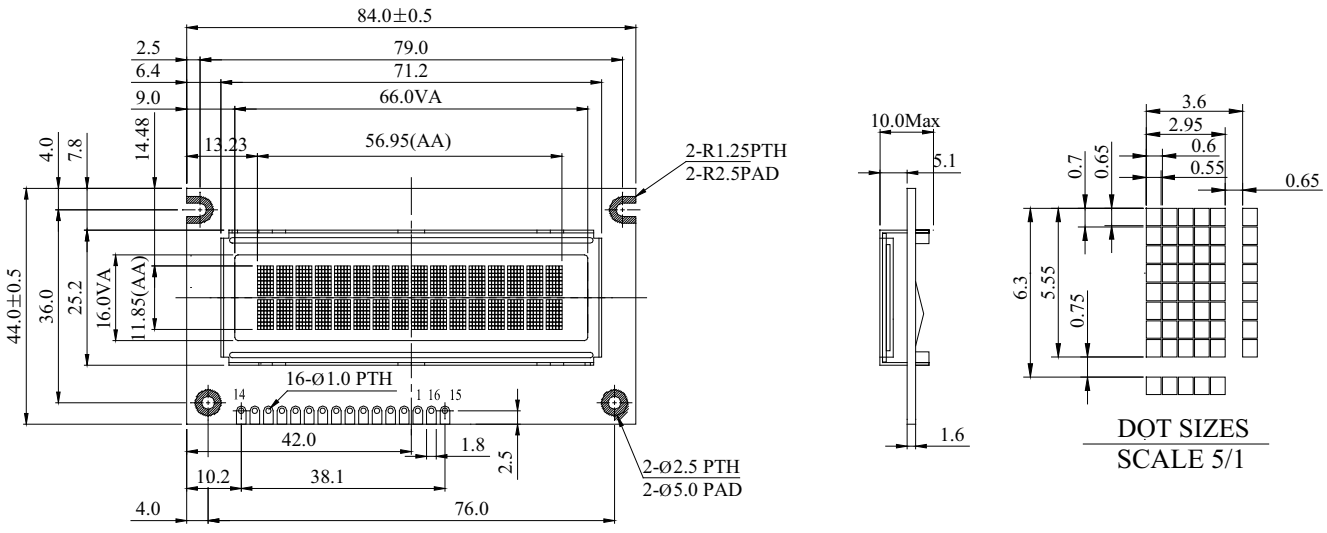
OPTIONS

EMITTING COLOR					MOQ				
YELLOW	GREEN	RED	BLUE	WHITE	YELLOW	GREEN	RED	BLUE	WHITE
Y	Y	Y	Y	Y	N	Y	Y	Y	Y

INTERFACE PIN FUNCTION

PIN NO.	SYMBOL	FUNCTION
1	V_{SS}	Ground
2	V_{DD}	Supply voltage for logic
3	NC	No connection
4	RS	H: Data; L: Instruction code
5	R/$\overline{W}$	H: Read (MPU ← Module); L: Write (MPU → Module)
6	E	H → L enable signal
7	DB0	Data bit 0
8	DB1	Data bit 1
9	DB2	Data bit 2
10	DB3	Data bit 3
11	DB4	Data bit 4
12	DB5	Data bit 5
13	DB6	Data bit 6
14	DB7	Data bit 7
15	NC	No connection
16	NC	No connection

DIMENSIONS in millimeters



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