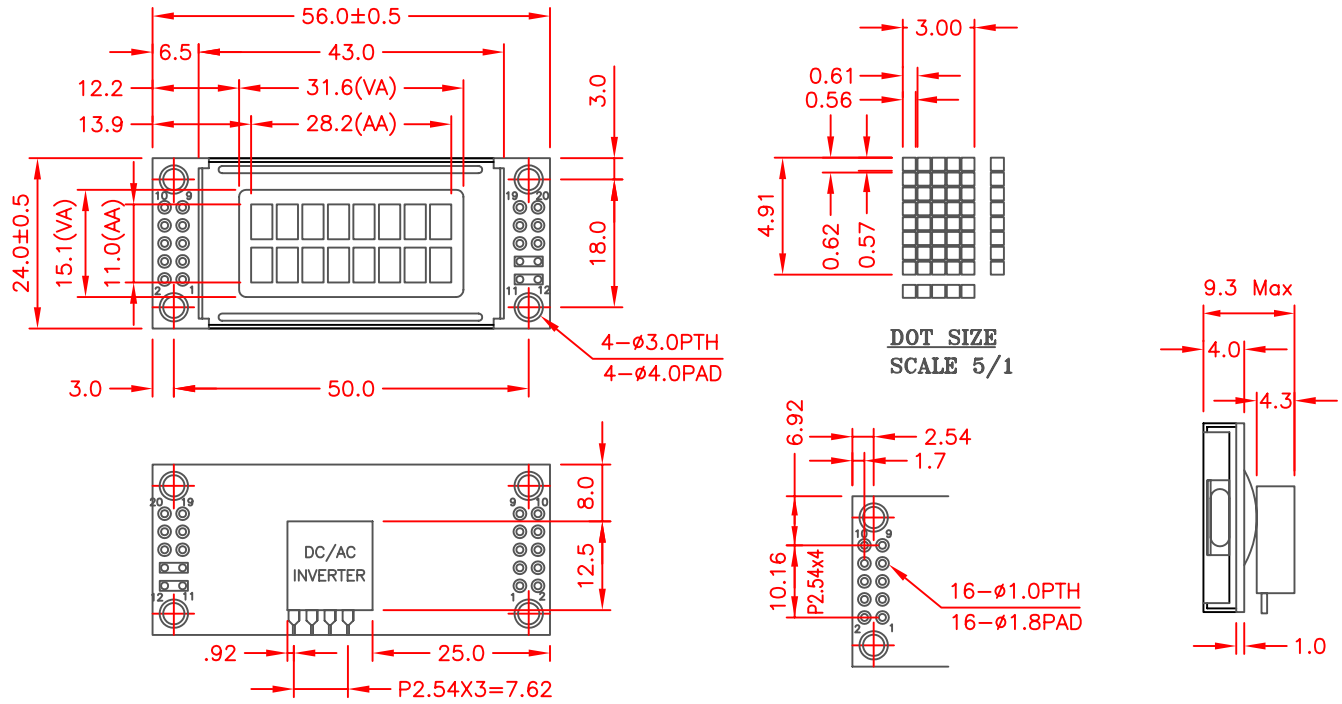
SHELLY 2x8 dots Graphic SSM20832



Feature

1. 5x8 dots includes cursor
2. Built-in controller (KS 0066 or equivalent)
3. 1/16 duty cycle
4. EL inverter built-in

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply for logic
3	Vo	Operating voltage LCD driving
4	RS	Registor select signal
5	R/$\overline{W}$	H/L Read / Write signal
6	E	H→L Enable signal
7	DB4	Data bus line
8	DB5	Data bus line
9	DB6	Data bus line
10	DB7	Data bus line
11	K	Power supply for B/L
12	K	Power supply for B/L
13	A	Power supply for B/L
14	A	Power supply for B/L
15	BLE	H:EL enable L:EL disable
16	NC	No connection
17	DB0	Data bus line
18	DB1	Data bus line
19	DB2	Data bus line
20	DB3	Data bus line

Mechanical Data

Item	Standard Value	Unit
Module Dimension	56 x 24	mm
Viewing Area	31.6 x 15.1	mm
Mounting hole	50 x 18	mm
Character Size	4.91 x 3.0	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	--	5	5.5	V
Input Voltage	VI	-0.3	--	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=+5V	--	--	--	V
Supply Current	IDD	VDD=+5V	--	--	--	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	--	--	5.5	V
		0°C	--	--	4.5	
		25°C	--	4.5	--	
		50°C	4.2	--	--	
		70°C	3.8	--	--	

Display Character Address Code

Display position	1	2	3	4	5	6	7	8
DD RAM Address	00	01	02	03	04	05	06	07
DD RAM Address	40	41	42	43	44	45	46	47

17171 Murphy Ave. Irvine, CA 92614-5915 Tel: 949-417-8070 Fax: 949-417-8075 Web site: www.shellyinc.com