

Feature

- 1. 5x8 dots includes cursor
- 2. Built-in controller (KS0066 or Equivalent)
- 3. +5V power supply (Also available for +3V)
- 4. 1/16 duty cycle
- 5. LED to be driven by pin1,pin2, or pin15,pin16 or A.K
- 6. Negative voltage option for +3V power suply

Pin Assignment

Pin#	Symbol	Function
1	Vss	GND
2	Vdd	+3V or +5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R∕₩	H/L Read/write signal
6	E	H - L Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	A/Vee	+4.2v for LED(RA=0 Ω)Negative Voltage output
16	K	Power supply for B/L (0V)

Mechanical Data

ltem	Standard Value	Unit
Module Dimension	84.0 x 44.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.55 x 0.65	mm
Character Size	2.95 x 5.55	mm

Absolute Maximum Ratina

ADSOIGIE MG	ziiiiaiii Kaiiiig						
Item	Symbol	Stand	Unit				
160111	37111801	min.	typ.	max.	011110		
Power Supply	VDD-VSS	-0.3		7.0	٧		
Input Voltage	VI	-0.3		VDD	٧		

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

Electronical Characteristics

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ltem	Symbol	Condition	St	Unit				
ROIII	Syllibol	Condition	min.	typ.	max.			
Input Voltage	VDD	VDD=+5V	4.7	5.0	5.3	٧		
input voitage	טטע	VDD=+3V	2.7	3.0	5.3	٧		
Supply Current	IDD	VDD=5V	l	1.2	1.5	mΑ		
		-20°C	4.6	5.0	5.4			
Recommended LC	VDD-VO	0°c	4.2	4.6	5.0			
Driving Voltage for Normal Temp.		25°C	3.8	4.2	4.6	V		
Version module		50°C	3.6	4.0	4.4			
		70°C	3.4	3.8	4.2			
LED Forward Voltage	VF	25°C		4.2	4.6	٧		
LED Forward Current	IF	25°C Array Edge		130 20	260 40	mΑ		
EL Power Supply Current	IEL	Vel=110VAC;400Hz	-		5.0	mΑ		

Display Character Address Code

Display position	1 :	2 3	4	5	6	7	8	9	10	11	12	13	14	15 16
DD RAM Address	000)1												OF
DD RAM Address	404	-1												4F

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