



SCALE: 10/1

Feature

1. Controller: EPSON SED15605
2. +5V power supply
3. 1/64 duty cycle
4. Built-in N.V.

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	Power supply (+5V)
3	Vo	Contrast Adjustment
4	Ao	H/L:data/command select signal
5	R/W	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	CS1	Low: Chip enable
16	P/S	H/L:parallel data/serial data input
17	RST	Reset signal
18	C86	H/L:6800 MPU/8080 MPU interface
19	A	+3V for LED
20	K	0V for LED

Mechanical Data

Item	Standard Value	Unit
Module Dimension	90.5 x 50.0	mm
Viewing Area	67.0 x 40.0	mm
Dot Size	0.42 x 0.5	mm
Dot Pitch	0.45 x 0.55	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	0	---	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	4.5	5.0	5.5	V
Supply Current	IDD	VDD=+5V	---	0.6	0.8	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	8.7	8.8	8.9	V
		0°C	8.5	8.6	8.7	
		25°C	8.4	8.5	8.6	
		50°C	8.1	8.2	8.4	
		70°C	7.9	8.0	8.2	
LED Forward Voltage	V _F	25°C	---	3.5	3.8	V
LED Forward Current	I _F	25°C	---	2.0	---	mA
EL Power Supply Current	I _{EL}	Vel=110VAC;400Hz	---	---	5.0	mA