

***ME* DISPLAYS**

**SPECIFICATIONS
FOR
LCD MODULE
SG1201A**

MICRO ELECTRONICS CORPORATION

3375 Scott Blvd. Suite 222 Santa Clara CA 95054

Tel: 408-988-1101 Fax: 408-988-7626

Email: micro@microelect.com

[Http://www.microelect.com](http://www.microelect.com)

• FEATURES

Number of Dots	12 characters x 1 line
Built-in Controller IC	HD66730 or equivalent
Duty Cycle	1/16 Duty
Options	EL/LED Backlight, STN

• MECHANICAL PARAMETERS

Module Size	80.0W x 36.0H x 8.8(12.7) mm
Viewing Area Size	65.0W x 16.0H mm
Active Area Size	62.79 x 7.64 mm
Character Size	5.16 x 7.64 mm
Dot Size	0.40 x 0.60 mm
Dot Pitch	0.43 x 0.64 mm

• ABSOLUTE MAXIMUM

Item	Symbol	Min.	Max	Unit
Supply Voltage for Logic	$V_{DD} - V_{SS}$	0	+7.0	V
Supply Voltage for LCD Drive	$V_{DD} - V_O$	0	+12.0	V
Input Voltage	V_i	VSS	V_{DD}	V
Operating Temperature	T_a	0	+50	C
Storage Temperature	T_{stg}	-10	+60	C

• ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min	Typ	Max	U
Power Supply Voltage for Logic	$V_{DD} - V_{SS}$	--	4.5	5.0	5.5	V
Power Supply Voltage for LCD	$V_{DD} - V_O$	$V_{DD}=5V$ $T_a=25C$	4.4	4.8	5.2	V
Input "High" Voltage(1)	V_{ih}	--	2.2	--	V_{DD}	V
Input "Low" Voltage(1)	V_{il}	--	--	--	0.6	V
Output "High" Voltage(1)	V_{oh}	--	2.4	--	--	V
Output "Low" Voltage(1)	V_{ol}	--	--	--	0.4	V
Power Supply Current	I_{DD}	$V_{DD} = 5.0V$	--	2.5	4.5	mA

(1) Applied to terminals CS1, CS2, DB0~DB7, R/W, D/I, E RST

- PIN ASSIGNMENT**

No.	Symbol
1	V_{SS}
2	V_{DD}
3	V_O
4	RS
5	R/W
6	E
7	DB0
8	DB1

No.	Symbol
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	A
16	K

