



# AMG016002A ( 16 CHARACTERS X 2 LINES )

## FEATURES

- ◆ BUILT-IN CONTROLLER (NT7603 OR EQUIVALENT)
- ◆ +5 V POWER SUPPLY
- ◆ 1/16 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	70.0 x 30.0 x 5.7	mm
Viewing Area ( W x H )	63.0 x 16.0	mm
Active Area ( W x H )	56.21 x 11.5	mm
Dot Size ( W x H )	0.56 x 0.66	mm
Dot Pitch ( W x H )	0.60 x 0.70	mm

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	Power Supply Ground
2	Vo	-	Contrast Adj.
3	VDD	5V	Power Supply Voltage
4	RS	H/L	Register Select
5	R/W	H	Read/Write
6	E	H	Enable Signal
7~14	D0~D7	H/L	Data Bus Line

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-0.3	-	7	V
Supply Voltage For LCD Drive	V <sub>DD</sub> -V <sub>o</sub>	0	-	7.3	V
Input Voltage	V <sub>I</sub>	V <sub>SS</sub>	-	V <sub>DD</sub>	V

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-	2.8	5	5.5	V
Supply Voltage For LCD	V <sub>DD</sub> -V <sub>o</sub>	V <sub>DD</sub> =5V Ta=25°C	4	4.3	4.6	V
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =5V	-	1.2	2	mA
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	0.8V <sub>DD</sub>	-	V <sub>DD</sub>
	"LOW" Level	V <sub>IL</sub>	-	-0.3	-	0.2V <sub>DD</sub>
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	V <sub>DD</sub> -0.6	-	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	V <sub>SS</sub> +0.6

## EXTERNAL DIMENSIONS

