

# KG096032B ( 96 DOTS × 32 DOTS )

## FEATURES

- ◆ BUILT-IN CONTROLLER ( NT7533 OR EQUIVALENT )
- ◆ +2.8V POWER SUPPLY
- ◆ 1/34 DUTY CYCLE
- ◆ I<sup>2</sup>C-BUS INTERFACE
- ◆ 3.3V LED FORWARD VOLTAGE

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	FUNCTION
1	/RES	Reset Input
2	VSS	0V
3	SAO	LCD Driver address
4	SCK	I <sup>2</sup> C-Bus Clock Input
5	SDA	I <sup>2</sup> C-Bus Data Input/Output
6	VDD	2.8V
7	VLCD	LCD Driver Supply Voltage

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W × H × T )	36.7×34×4.65	mm
Viewing Area ( W × H )	27×10	mm
Active Area ( W × H )	24×9.45	mm
Dot Size ( W × H )	0.235×0.235	mm
Dot Pitch ( W × H )	0.25×0.25	mm

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	0	-	3.6	V
Supply Voltage For LCD	V <sub>LCD</sub>	0	-	14.0	V
Input Voltage	V <sub>IN</sub>	V <sub>SS</sub>	-	V <sub>DD</sub>	V

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONPITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-	2.4	2.8	3.5	V	
Supply Voltage For LCD	V <sub>LCD</sub>	-	4.5	5.1	11.0	V	
Supply Current For LCD	I <sub>DD</sub>	V <sub>DD</sub> =2.8V Ta=25°C	-	40	60	mA	
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	2.2	-	V <sub>DD</sub>	V
	"LOW" Level	V <sub>IL</sub>	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	2.4	-	V <sub>DD</sub>	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	0.4	V

## EXTERNAL DIMENSIONS

