

# KG128064H-Q ( 128 DOTS × 64 DOTS )

## FEATURES

- ◆ BUILT-IN CONTROLLER ( NT7534 OR EQUIVALENT )
- ◆ +3.3V POWER SUPPLY
- ◆ 1/65 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE
- ◆ 3.3V LED FORWARD VOLTAGE

## INTERFACE PIN CONNECTIONS

NO	SYMBOL	FUNCTION
1	NC	-
2	CS1B	Chip Select
3	RESETB	Reset Input
4	A0	Data Type Select Signal
5	WRB	Read/Write
6	RDB	Enable Signal
7~14	D0~D7	Data Bus Line
15	VDD	3.3V
16	VSS	0
17	VOUT	DC/DC Voltage Converter
18~23	C4P~C2N	Internal DC/DC Voltage Converter
24~28	V1~V4,V0	LCD Driving Voltage Levels
29	VR	Contrast Adj.
30	IRS	Internal Resistors Select for V0

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W × H × T )	90.4×191.6×8.0	mm
Viewing Area ( W × H )	74×37.5	mm
Active Area ( W × H )	66.52×33.24	mm
Dot Size ( W × H )	0.48×0.48	mm
Dot Pitch ( W × H )	0.52×0.52	mm

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub>	0	-	5.0	V
Supply Voltage For LCD	V <sub>LCD</sub>	0	-	9.3	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>	-	-	3.3	-	V
Supply Voltage For LCD	V <sub>LCD</sub>	V <sub>DD</sub> =3.3V, Ta=25°C	8.7	9.0	9.3	V
Supply Current For LCD	I <sub>DD</sub>	V <sub>DD</sub> =3.3V	-	-	2	mA
Input Voltage	“HIGH” Level	V <sub>IH</sub>	2.2	-	V <sub>DD</sub>	V
	“LOW” Level	V <sub>IL</sub>	0	-	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	-	0.4	V

## EXTERNAL DIMENSIONS

