

# KG132065M ( 132 DOTS × 65 DOTS )

## FEATURES

- ◆ BUILT-IN CONTROLLER ( SPLC501C OR EQUIVALENT )
- ◆ +3.0V POWER SUPPLY
- ◆ 1/65 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W × H × T )	59.0×86.88×2.1	mm
Viewing Area ( W × H )	53×27.5	mm
Active Area ( W × H )	50.8×25.0	mm
Dot Size ( W × H )	0.365×0.365	mm
Dot Pitch ( W × H )	0.385×0.385	mm

## INTERFACE PIN CONNECTIONS

NO	SYMBOL	FUNCTION
1	CS1	Chip Select
2	RES	Reset Input
3	AOP	Data Type Select Signal
4	WR	Read/Write
5	RD	Enable Signal
6~13	DB0~DB7	Data Bus Line
14	VDD	3.0V
15	VSS	0
16	VOUT	DC/DC Voltage Converter
17~21	C3N~C2P	Internal DC/DC Voltage Converter
22~26	V1~V5	LCD Driving Voltage Levels
27	VSS	0
28	C86	6800 or 8080 Interface
29	P/S	Parallel or Serial Data Input
30	HPM	Power Mode Select

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub>	0	-	3.3	V
Supply Voltage For LCD	V <sub>LCD</sub>	0	-	10.3	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>	-	-	3.0	-	V
Supply Voltage For LCD	V <sub>LCD</sub>	V <sub>DD</sub> =3.0V, Ta=25°C	9.7	10.0	10.3	V
Supply Current For LCD	I <sub>DD</sub>	V <sub>DD</sub> =3.0V	-	-	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

