



# AL25664A ( 256 DOTS X 64 DOTS )

## FEATURES

- ◆ 256 x 64 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (SSD1322)
- ◆ +2.8V POWER SUPPLY
- ◆ 1/64 DUTY CYCLE
- ◆ INTERFACE PARALLEL / SPI

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size ( W x H x T )	110.0 x 44.0 x 9.7	mm
Viewing Area ( W x H )	78.8 x 21.2	mm
Active Area ( W x H )	76.78 x 19.18	mm
Dot Size ( W x H )	0.28 x 0.28	mm
Dot Pitch ( W x H )	0.30 x 0.30	mm

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	FGND	-	For GND
2	Vss	0V	Power Supply Ground
3	VDD	2.8V	Power Supply Voltage
4	NC	-	No Connection
5	/WR	L	Read Signal
6	/RD	L	Write Signal
7	/CS	L	Chip Select Signal For IC
8	D/C	H/L	H : Instruction Code , L : Data Code
9	NC	-	No Connection
10	/RST	L	Reset Signal
11~18	DB0~DB7	H/L	Data Bus Line
19	NC	-	No Connection
20	NC	-	No Connection

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-0.3	-	4	V
Supply Voltage For LCD Drive	V <sub>DD</sub> -V <sub>o</sub>	0	-	16	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>	-	2.4	2.8	3.5	V
Supply Voltage For LCD	V <sub>DD</sub> -V <sub>o</sub>	V <sub>DD</sub> =2.8V Ta=25°C	11.5	12	12.5	V
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =2.8V	-	60	80	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	-	0.2V <sub>DD</sub>
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	0.9V <sub>DD</sub>	-	V <sub>DD</sub>
	"LOW" Level	V <sub>OL</sub>	-	0	-	0.1V <sub>DD</sub>

## EXTERNAL DIMENSIONS

