



AL12864A (128 DOTS X 64 DOTS)

FEATURES

- ◆ OLED DISPLAY
- ◆ 128 x 64 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (SSD1322)
- ◆ +2.8V POWER SUPPLY
- ◆ 1/64 DUTY CYCLE
- ◆ INTERFACE 68xx / 80xx / SPI

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	93.0 x 70.0 x 9.3	mm
Viewing Area (W x H)	63.3 x 32.5	mm
Active Area (W x H)	61.41 x 30.69	mm
Dot Size (W x H)	0.45 x 0.45	mm
Dot Pitch (W x H)	0.48 x 0.48	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION				
1	Vss	0V	Power Supply Ground				
2	VDD	2.8V	Power Supply Voltage				
3	NC	-	No Control				
4	D/C	H/L	L : Data, H : Instruction Code				
5	R/W	H/L	H : Read / L : Write				
6	E	H→L	Enable Signal				
7~14	DB0~DB7	H/L	Data Bus Line				
15	/CS	L	Chip Select Signal For IC				
16	NC	-	No Control				
17	/RES	L	Reset Signal				
18	NC	-	No Control				
19	BS1	H/L	68xx	80xx	3-SPI	4-SPI	
			BS1	1	1	0	0
20	BS0	H/L	BS0	1	0	1	0

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-0.3	-	4	V
Supply Voltage For LCD Drive	V _{DD} -V ₀	0	-	16	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-	2.4	2.8	3.5	V
Supply Voltage For LCD	V _{DD} -V ₀	V _{DD} =2.8V Ta=25°C	14.5	15	15.5	V
Supply Current	I _{DD}	V _{DD} =2.8V	-	60	80	mA
Input Voltage	"HIGH" Level	V _{IH}	-	0.8V _{DD}	-	V _{DD}
	"LOW" Level	V _{IL}	-	0	-	0.2V _{DD}
Output Voltage	"HIGH" Level	V _{OH}	-	0.9V _{DD}	-	V _{DD}
	"LOW" Level	V _{OL}	-	0	-	0.1V _{DD}

EXTERNAL DIMENSIONS

