



AMG128064N (128 DOTS x 64 DOTS)

FEATURES

- ◆ 128 x 64 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (ST7567S)
- ◆ +3.3V POWER SUPPLY
- ◆ 1/65 DUTY CYCLE
- ◆ 6800 / 8080 Parallel /Serial MPU Interface

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	/CS	L	Chip Selection Input With Pull-High Resistor.
2	/RST	L	Reset Input.
3	Ao	H/L	H : Instruction Code , L : Data Code
4	/WR	L	Read/Write Control Signal Input Terminal.
5	/RD	L	Enable Signal Control Pin
6~13	D0~D7	H/L	Data Bus Line
14	VDD	3.3V	Power Supply Voltage
15	VSS	0V	Power Supply Ground
16~17	NC	---	No Connection
18	VO	P	For common circuits at negative frame.
19	XVO	P	For common circuits at positive frame.
20~21	NC	---	No Connection
22	VG	POWER	Vgin Is The Vg Input Of Segment Circuits.
23~27	NC	---	No Connection
28	C86	I	This Is The MPU Interface Selection Pin.
29	/PS	H	Interface Selection
30	NC	---	No Connection

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	89.7 x 49.8 x 6.0	mm
Viewing Area (W x H)	65.0 x 33.0	mm
Active Area (W x H)	63.857 x 31.921	mm
Dot Size (W x H)	0.484 x 0.484	mm
Dot Pitch (W x H)	0.499 x 0.499	mm

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-0.3	-	7	V
Supply Voltage For LCD Drive	V _{DD} -V _o	0	-	7	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}	-	2.8	3.3	5.5	V
Supply Voltage For LCD	V _{DD} -V _o	V _{DD} =5V Ta=25°C	9.1	9.3	9.5	V
Supply Current	I _{DD}	V _{DD} =5V	-	1.2	2	mA
Input Voltage	"HIGH" Level	V _{IH}	-	0.8V _{DD}	-	V _{DD}
	"LOW" Level	V _{IL}	-	V _{SS}	-	0.2V _{DD}
Output Voltage	"HIGH" Level	V _{OH}	-	0.8V _{DD}	-	V _{DD}
	"LOW" Level	V _{OL}	-	V _{SS}	-	0.2V _{DD}

EXTERNAL DIMENSIONS

