



AMG008001A (8 CHARACTERS X 1 LINES)

FEATURES

- ◆ 5 x 7 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (ST7028i)
- ◆ +3.3 V POWER SUPPLY
- ◆ 1/ 8 DUTY CYCLE
- ◆ I2C SERIAL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	67.0 x 29.7 x 6.2	mm
Viewing Area (W x H)	61.0 x 15.7	mm
Active Area (W x H)	58.74 x 11.46	mm
Dot Size (W x H)	1.20 x 1.38	mm
Dot Pitch (W x H)	1.26 x 1.44	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	ESD	0V	Power Supply Ground
2	RSTB	L	Reset Input.
3	SCL	H/L	I2C Bus serial Clock Input.
4	SDA	H/L	I2C Bus serial Data Input/Output.
5	VSS	0V	Power Supply Ground
6	VDD	3.3V	Power Supply Voltage.
7	AVDD	P	AVDD is the source of VG regulator
8	VO	P	For common circuits at negative frame.
9	XVO	P	For common circuits at positive frame.
10	ESD	0V	Power Supply Ground

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 _o	-0.3	-	9	V
Input Voltage	V _I	-0.3	-	V _{DD} +0.3	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-	3.1	3.3	3.5	V
Supply Voltage For LCD	V _{DD} -V _o	V _{DD} =3.3V Ta=25°C	7.1	7.3	7.5	V
Supply Current	I _{DD}	V _{DD} =3.3V	-	1.6	2	mA
Input Voltage	"HIGH" Level	V _{IH}	-	0.7V _{DD}	-	V _{DD}
	"LOW" Level	V _{IL}	-	V _{SS}	-	0.3V _{DD}
Output Voltage	"HIGH" Level	V _{OH}	-	0.8V _{DD}	-	V
	"LOW" Level	V _{OL}	-	-	-	0.2V _{DD}

EXTERNAL DIMENSIONS

