



SG320240D (320 DOTS X 240 DOTS)

FEATURES

- ◆ RECOMMENDED CONTROLLER
(HD64646/MSM6225/SED1335)
- ◆ +5 V POWER SUPPLY
- ◆ 1/240 DUTY CYCLE
- ◆ EDGE LIGHTING TYPE CCFL BACKLIGHT

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Power Supply Ground
2	VDD	5V	Power Supply Voltage
3	Vo	-	Contrast Adjustment Voltage
4	FLM	H	Frame Signal
5	CL1	H→L	Common Driver Data Shift Signal
6	CL2	H→L	Clock Pulse For Segment Shift Register
7	M	H/L	Control Signal For AC Driving
8	DB0	H/L	Data Bit1
9	DB1	H/L	Data Bit2
10	DB2	H/L	Data Bit3
11	DB3	H/L	Data Bit4
12	Vout	-	Power Supply Voltage For LCD

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	148.0 x 120.2 x 20.5	mm
Viewing Area (W x H)	120.14 x 92.14	mm
Active Area (W x H)	115.17 x 86.37	mm
Dot Size (W x H)	0.33 x 0.33	mm
Dot Pitch (W x H)	0.36 x 0.36	mm

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-VSS	0	-	7	V
Supply Voltage For LCD Drive	VDD-Vo	0	-	30	V
Input Voltage	Vi	VSS	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic		VDD-VSS	-	4.5	5	5.5	V
LCD Supply Voltage		VDD-Vo	VDD=5V Ta=25°C	22.4	23.5	24.3	V
Supply Current		IDD	VDD=5V	-	16	25	mA
Input Voltage	"HIGH" Level	VIH	-	2.2	-	VDD	V
	"LOW" Level	VIL	-	-	-	0.6	V
Output Voltage	"HIGH" Level	VOH	-	2.4	-	-	V
	"LOW" Level	VOL	-	-	-	0.4	V

EXTERNAL DIMENSIONS

