

SG12232P (122 DOTS X 32 DOTS)

; FEATURES

- . BUILT-IN CONTROLLER (SED1520 OR EQUIVALENT)
- . +5 V POWER SUPPLY
- . 1/32 DUTY CYCLE
- . 8-BIT PARALLEL INTERFACE

; MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	117.0 x 39.0 x 12.7	mm
Viewing Area (W x H)	84.0 x 27.0	mm
Active Area (W x H)	79.62 x 20.76	mm
Dot Size (W x H)	0.61 x 0.61	mm
Dot Pitch (W x H)	0.65 x 0.65	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Power Supply Ground
2	V _{DD}	5V	Power Supply Voltage
3	V _O	-	Contrast Adjustment Voltage
4	A _O	H/L	Data Type Select Signal
5	R/W	H/L	H : Read / L : Write
6	E1	H,H-L	Chip Select Signal for IC1
7	E2	H,H-L	Chip Select Signal for IC2
8~15	DB0~DB7	H/L	Data Bus Line
16	/RES	L	Reset Signal
17	A	4.2V	LED Power (+)
18	K1	L	Red LED power supply
19	K2	L	Green LED power supply
20	K3	L	Blue LED power supply

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD-VSS}	0	-	7	V
Supply Voltage For LCD Drive	V _{DD-V₀}	0	-	12	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-VSS}	-	4.5	5	5.5	V
Supply Voltage For LCD		V _{DD-V₀}	V _{DD} =5V Ta=25,	4.4	4.8	5.2	V
Supply Current		I _{DD}	V _{DD} =5V	-	2.5	4.5	mA
Input	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD}	V
Voltage	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output	"HIGH" Level	V _{OH}	-	2.4	-	-	V
Voltage	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

