

SG24064E (240 DOTS X 64 DOTS)

FEATURES

- . NO BUILT-IN CONTROLLER
- . 2.7-5.5V POWER SUPPLY
- . 1/64 DUTY CYCLE
- . 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	120.0 x 55.0 x 9.7(13.7 LED)	mm
Viewing Area (W x H)	102.0 x 35.5	mm
Active Area (W x H)	93.57 x 31.97	mm
Dot Size (W x H)	0.36 x 0.47	mm
Dot Pitch (W x H)	0.39 x 0.50	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Power Supply Ground
2	V _{DD}	5V	Power Supply Voltage
3	V ₀	-	Contrast Adjustment Voltage
4	FLM	H	Frame Start 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	/DISPOFF	L	Diaply OFF Active Low
9~12	DB0~DB3	H/L	Data Bus Line
13	VEE	---	Power Supply Voltage For LCD
14	FGND	---	For GND
15	A	4.2V	LED Power(+)
16	K	0V	LED Power(-)

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	0	-	7	V
Supply Voltage For LCD Drive	V _{DD} -V ₀	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} -V _{SS}	-	2.7	5	5.5	V	
LCD Supply Voltage	V _{DD} -V ₀	V _{DD} =5V Ta=25.	7.7	8.4	9	V	
Supply Current	I _{DD}	V _{DD} =5V	-	10	16	mA	
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD}	V
	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	-	V
	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

