



SG320240Q (320 DOTS X 240 DOTS)

FEATURES

- ◆ BUILT-IN CONTROLLER (RA8835)
- ◆ +3.3V POWER SUPPLY
- ◆ 1/240 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE
- ◆ TAB PROCESS

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	93.8 x 83.3 x 10.6	mm
Viewing Area (W x H)	81.4 x 61.0	mm
Active Area (W x H)	76.79 x 57.59	mm
Dot Size (W x H)	0.23 x 0.23	mm
Dot Pitch (W x H)	0.24 x 0.24	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Power Supply Ground
2	V _{DD}	3.3V	Power Supply Voltage
3	V _O	-	Contrast Adjustment Voltage
4	A ₀	H/L	Data Type Select
5	/WR	L	Write Signal
6	/RD	L	Read Signal
7~14	DB0~DB7	H/L	Data Bus Line
15	/CS	L	Chip Signal
16	/RES	L	Reset Signal
17	V _{EE}	-	Postive Voltage Output
18	SEL1	-	Interface selection 6800/8080
19	A	3.2V	LED Power(+)
20	K	0V	LED Power(-)

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	-0.3	-	30	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}	-	2.7	3.3	4.5	V	
LCD Supply Voltage	V _{DD} -V _O	V _{DD} =3.3V Ta=25°C	22.5	23.5	24.5	V	
Supply Current	I _{DD}	V _{DD} =3.3V	-	43.2	58.2	mA	
Input Voltage	"HIGH" Level	V _{IH}	-	0.8V _{DD}	-	V _{DD}	V
	"LOW" Level	V _{IL}	-	-	-	0.2V _{DD}	V
Output Voltage	"HIGH" Level	V _{OH}	-	V _{DD} +0.4	-	-	V
	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

