SG240128B (240 DOTS X 128 DOTS)

■ FEATURES

- ◆ BUILT-IN CONTROLLER (T6963C OR EQUIVALENT)
- ◆ +5 V POWER SUPPLY
- ◆ 1/128 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

■ MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	144.0 x 104.0 x 10.3 (15.1 LED)	mm
Viewing Area (W x H)	114.0 x 64.0	mm
Active Area (W x H)	107.95 x 57.55	mm
Dot Size (W x H)	0.40 x 0.40	mm
Dot Pitch (W x H)	0.45 x 0.45	mm

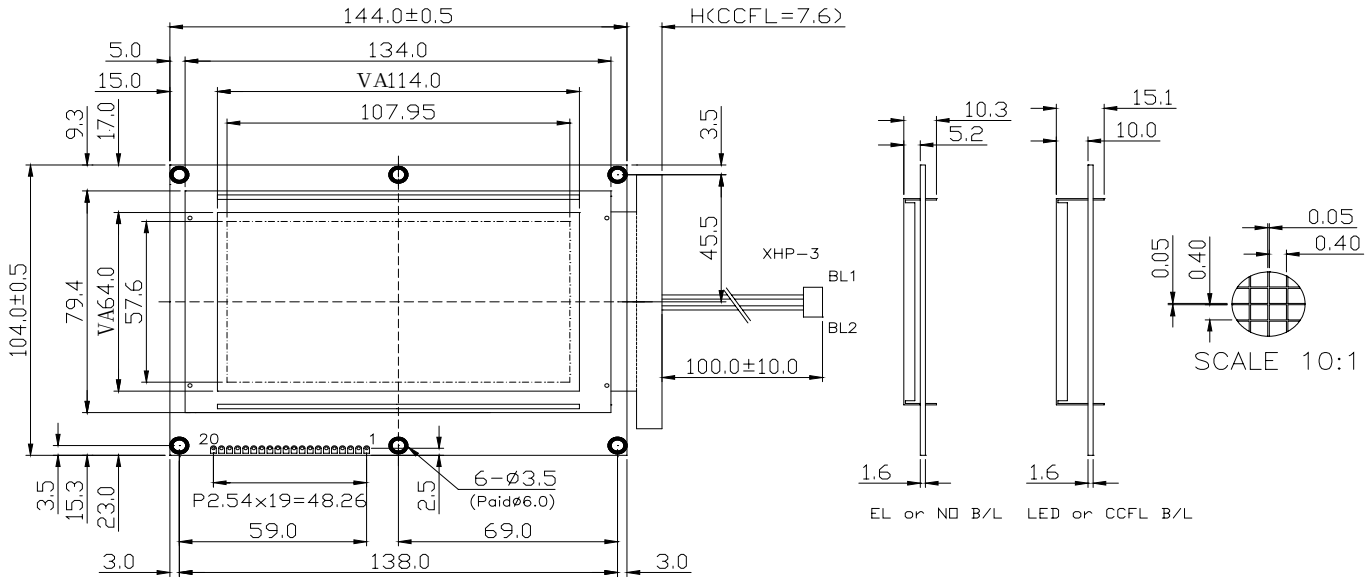
■ INTERFACE PIN CONNECTIONS

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	C/D	H/L	H : Instruction Code, L : Data Code
5	/RD	L	Read Signal
6	/WR	L	Write Signal
7~14	DB0~DB7	H/L	Data Bus Line
15	/CE	L	Enable Signal
16	/RST	L	Reset Signal
17	V_{EE}	-	Power Supply Voltage For LCD
18	MD	H/L	H : 32 / L : 40 Select Of Columns
19	FS	H/L	H : 6*8 , L : 8*8 Select Of Columns
20	NC	-	No Connection

■ 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_o	0	-	28	V
Input Voltage	V_I	Vss	-	V_{DD}	V

■ ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic		V_{DD}-V_{SS}	-	4.5	5	5.5	V
LCD Supply Voltage		V_{DD}-V_o	V_{DD}=5V Ta=25℃	16.9	18	19.2	V
Supply Current		I_{DD}	V_{DD}=5V	-	15	24	mA
Input Voltage	"HIGH" Level	V_{IH}	-	2.2	-	VDD	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