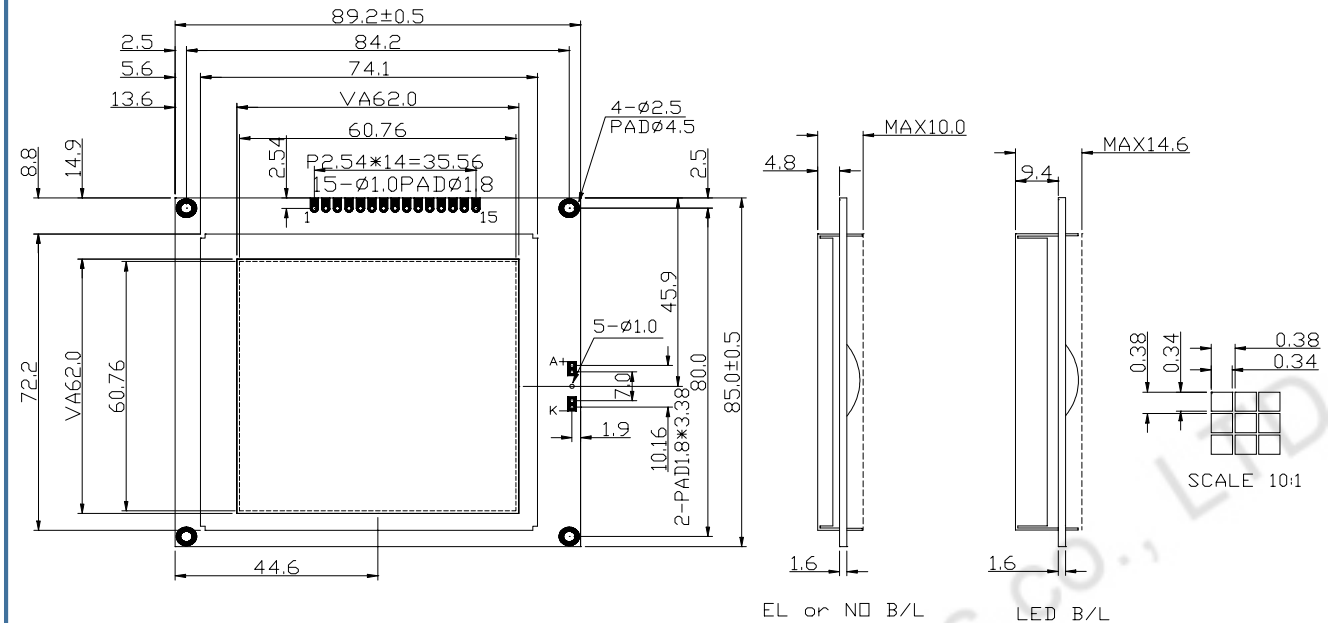




FEATURES

- ◆ NO BUILT-IN CONTROLLER
- ◆ 2.7~5.5V POWER SUPPLY
- ◆ 1/160 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	89.2 x 85.0 x 10.0(LED14.6)	mm
Viewing Area (W x H)	62.0 x 62.0	mm
Active Area (W x H)	60.76 x 60.76	mm
Dot Size (W x H)	0.34 x 0.34	mm
Dot Pitch (W x H)	0.38 x 0.38	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	Power Supply Ground
2	M	H/L	Control Signal For AC Driving
3	FLM	H	Frame Start Signal
4	CL1	H→L	Common Driver Data Shift Signal
5	CL2	H→L	Clock Pulse For Segment Shift Register
6~9	DB3~DB0	H/L	Data Bus Line
10	VEE	-	Power Supply Voltage For LCD
11	VDD	5V	Power Supply Voltage
12	Vo	-	Contrast Adjustment Voltage
13	/DISPOFF	H/L	Display OFF . Active LOW .
14	K	0V	LED Power Supply (-)
15	A	4.2V	LED Power Supply (+)

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	-	21	V
Input Voltage	Vi	Vss	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-Vss	-	2.7	5	5.5	V
LCD Supply Voltage	VDD-Vo	VDD=5V Ta=25℃	17.4	18	24.3	V
Supply Current	IDD	VDD=5V	-	14	23	mA
Input Voltage	"HIGH" Level	Vih	-	2.2	-	VDD
	"LOW" Level	Vil	-	-	-	0.6
Output Voltage	"HIGH" Level	VoH	-	2.4	-	V
	"LOW" Level	VoL	-	-	-	0.4