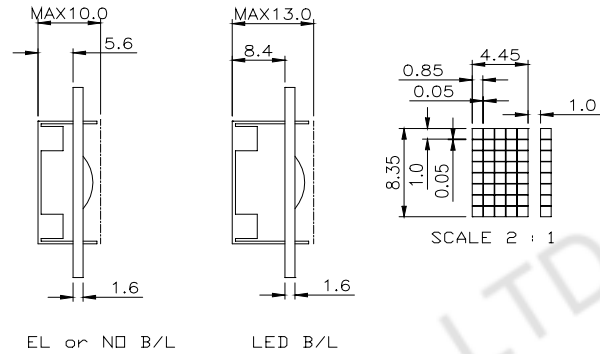
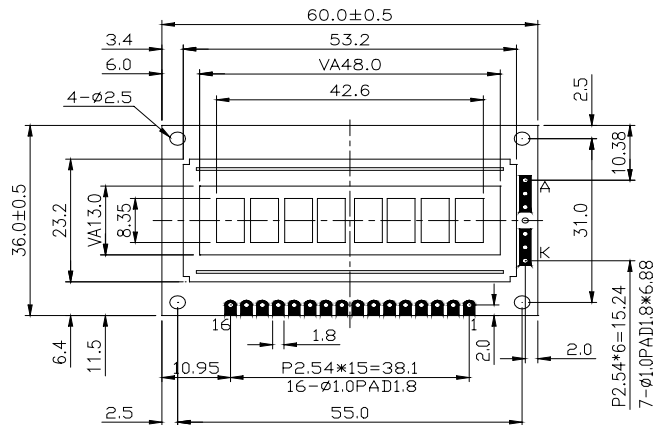




FEATURES

- ◆ 5 x 7 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (ST7066 OR EQUIVALENT)
- ◆ 2.7~5.5 V POWER SUPPLY
- ◆ 1/16 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	60.0 x 36.0 x 10.0 (13.0 LED)	mm
Viewing Area (W x H)	48.0 x 13.0	mm
Character Size (W x H)	4.45 x 8.35	mm
Dot Size (W x H)	0.85 x 1.0	mm
Dot Pitch (W x H)	0.90 x 1.05	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	FUNCTION	NO.	SYMBOL	FUNCTION
1	VSS	Supply Ground	9	DB2	Data Bit 2
2	VDD	Supply Voltage	10	DB3	Data Bit 3
3	Vo	Contrast Adj.	11	DB4	Data Bit 4
4	RS	Register Select	12	DB5	Data Bit 5
5	R/W	Read/Write	13	DB6	Data Bit 6
6	E	Enable Signal	14	DB7	Data Bit 7
7	DB0	Data Bit 0	15	A	LED Power
8	DB1	Data Bit 1	16	K	LED Power

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LCD Operating Voltage	VDD-Vo	T=0°C	-	4.8	-	V
		T=25°C	-	4.5	-	V
		T=50°C	-	4.2	-	V
Supply Voltage	VDD-VSS	-	2.7	5	5.5	V
Supply Current	IDD	-	-	3.2	6	mA
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD} V
	"LOW" Level	V _{IL}	-	0	-	0.6 V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	- V
	"LOW" Level	V _{OL}	-	-	-	0.4 V

BLOCK DIAGRAM

