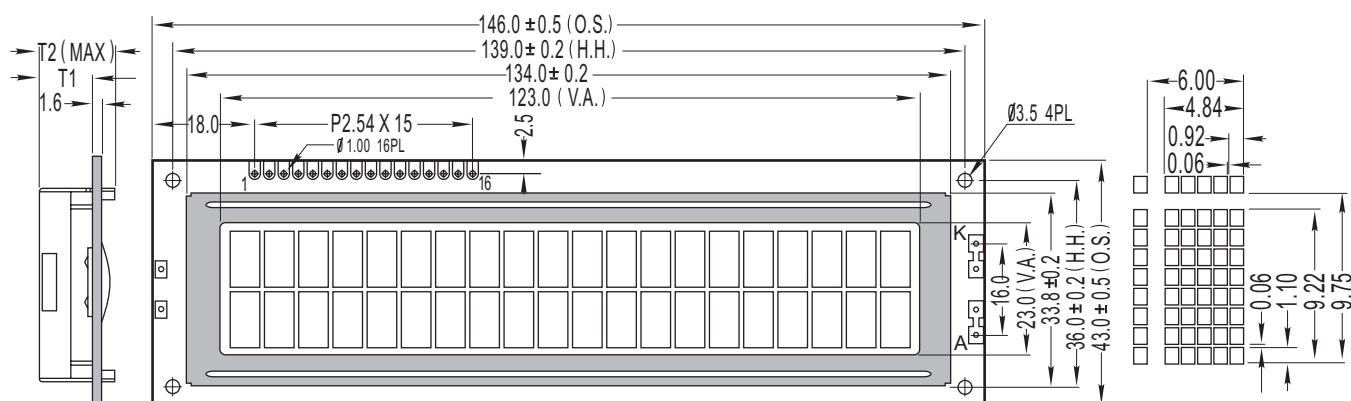
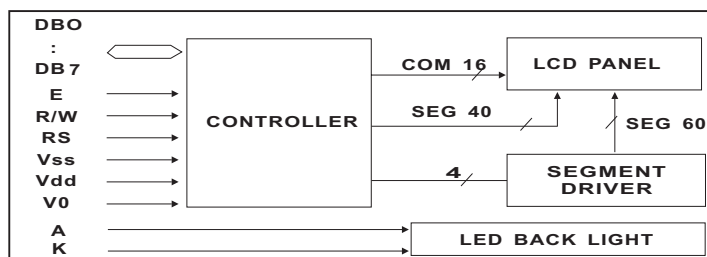




ITEM	T1	T2
LED backlight	9.4	14.2
EL / without backlight	4.6	10.0



FEATURE

1. 5X8 dots with cursor
2. Built-in controller (SPLC780D or Equivalent)
3. +5V power supply (Also available for +3.0V)
4. 1/16 duty cycle
5. BKL to be driven by pin1, pin2, or pin15, pin16 or A, K
6. N.V. Optional

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	Vdd	-0.3	7.0	V
POWER SUPPLY (LCD)	V0	Vdd -13.5	Vdd +0.3	V
INPUT VOLTAGE	Vin	-0.3	Vdd +0.3	V

PIN ASSIGNMENT

PIN	SYMBOL	FUNCTION
1	Vss	GND
2	Vdd	Power Supply
3	V0	Contrast Adjust
4	RS	Register Select Signal
5	R/W	Data Read/Write
6	E	Enable Signal
7-14	DB0-DB7	Data Bus Line
15(A)	LED+	Power supply for BKL(+)
16(K)	LED-	Power supply for BKL(-)

MECHANICAL SPECIFICATIONS

CHARACTER NUMBER	20W X 2H	—
OVERALL SIZE	146.00W X 43.00H	mm
VIEWING AREA	123.00W X 23.00H	mm
HOLE - HOLE	139.00W X 36.00H	mm
CHARACTER SIZE	4.84W X 9.22H	mm
CHARACTER PITCH	1.16W X 0.53H	mm
DOT SIZE	0.92W X 1.10H	mm
DOT PITCH	0.06W X 0.06H	mm

ELECTRONICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	STANDARD			UNIT
			MIN	TYP	MAX	
Input voltage	Vdd	+5V	4.7	5.0	5.5	V
		+3.3V	2.7	3.0	3.3	V
Supply current	Idd	Vdd=5V	---	2.5	4.0	mA
Recommended LCD driving voltage for normal temp version module	Vdd-V0	0 °C	4.7	4.8	5.5	V
		25 °C	4.3	4.5	4.7	
		50 °C	4.1	4.4	4.5	
LED forward voltage	VF	25 °C	---	4.2	4.6	V
LED forward current	IF	25 °C	---	300	---	mA
EL power supply current	EL	AC 400Hz VEL =110V	---	---	---	mA

DISPLAY CHARACTER ADDRESS CODE

Display position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DDRAM address	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
DDRAM address	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59