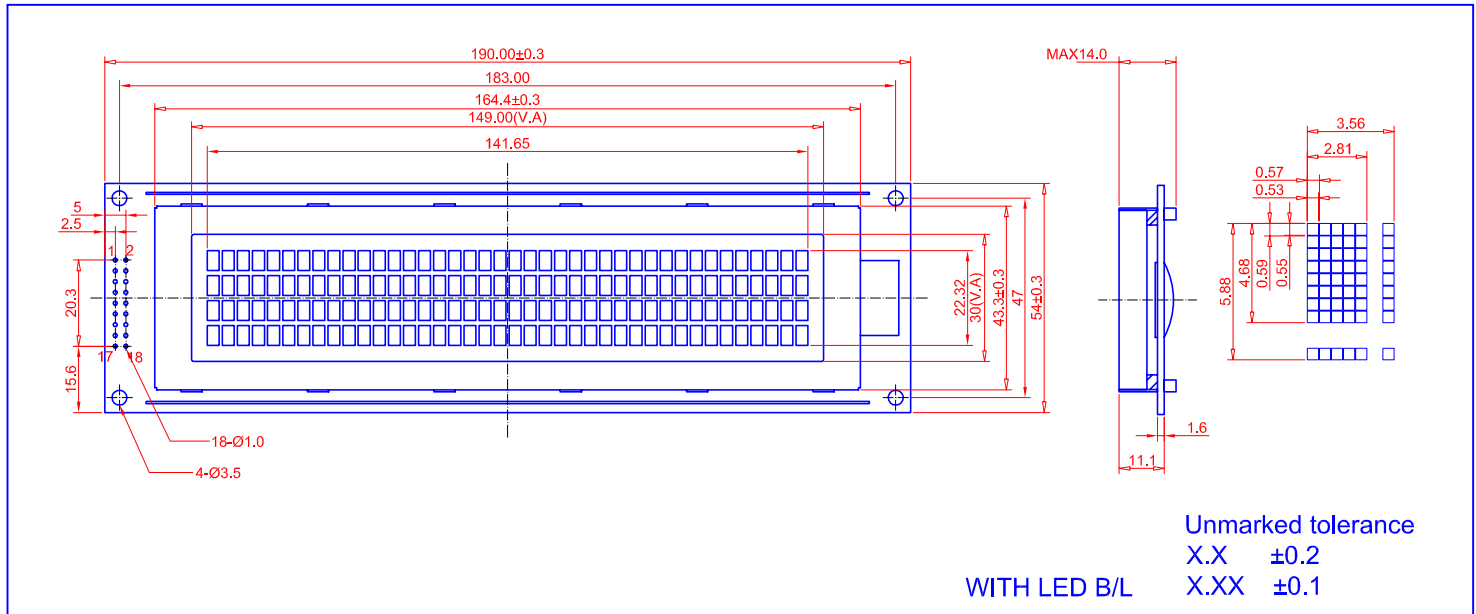
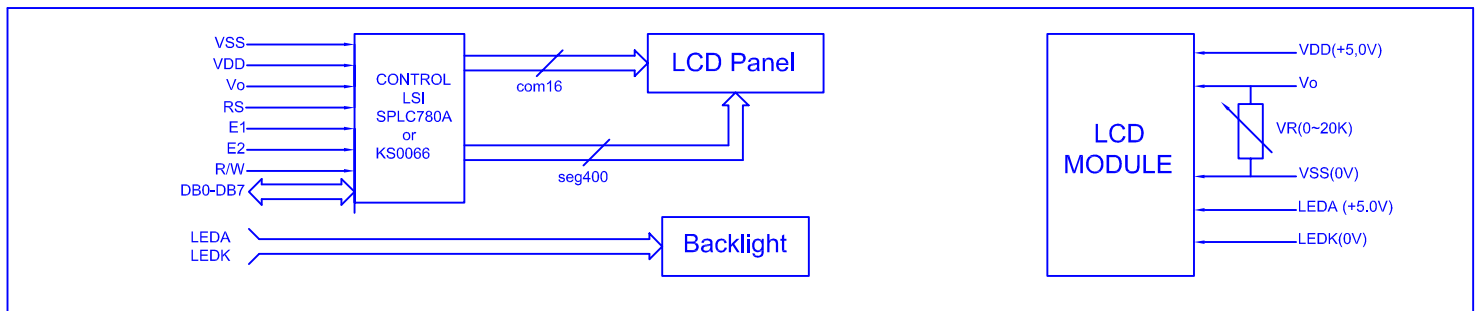


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM & POWER SUPPLY



3.0 MECHANICAL SPECIFICATIONS & FEATURE

Item	Nominal dimensions (mm)	FEATURE	
		LCD Type	STN
Module Size (W*H*T)	190.0x54.0x14.0MAX	LCD Colour	Yellow-Green
View Area (W*H)	149.0x30.0	View Angle	6 O'clock
Character Pitch (W*H)	3.55x5.88	Display Type	Positive Type
Character Size (WxH)	2.81x4.68	Rear polarizer	Transflective
Character Font	5x8	Operating Temperature	-20°C ~ +70°C
Dot Pitch (W*H)	0.57x0.59	Storage Temperature	-30°C ~ +80°C
Dot Size (W*H)	0.53x0.55	Backlight	LED Array Yellow-Green

4.0 ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	5.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	5.0	---	V
Supply Current	Idd	Ta=25°C, Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	If	Ta=25°C, Vdd=4.2V	---	200	---	mA

5.0 INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1 ~ 8	DB7 ~ DB0	H/L	Data Bus line
9	E1	H/H - L	Enable signal for half-up screen chip
10	RW	H/L	Read/write selection (H:Read, L:Write)
11	RS	H/L	Register selection (H:Data register, L:Instruction register)
12	V0	---	Power supply for LCD
13	VSS	---	GND
14	VDD	---	Power supply for Logic(+5.0V)
15	E2	H/H - L	Enable signal for half-down screen chip
16	NC	---	No Connection
17	LEDA	---	Power supply for Backlight (+)
18	LEDK	---	Power supply for Backlight (-)