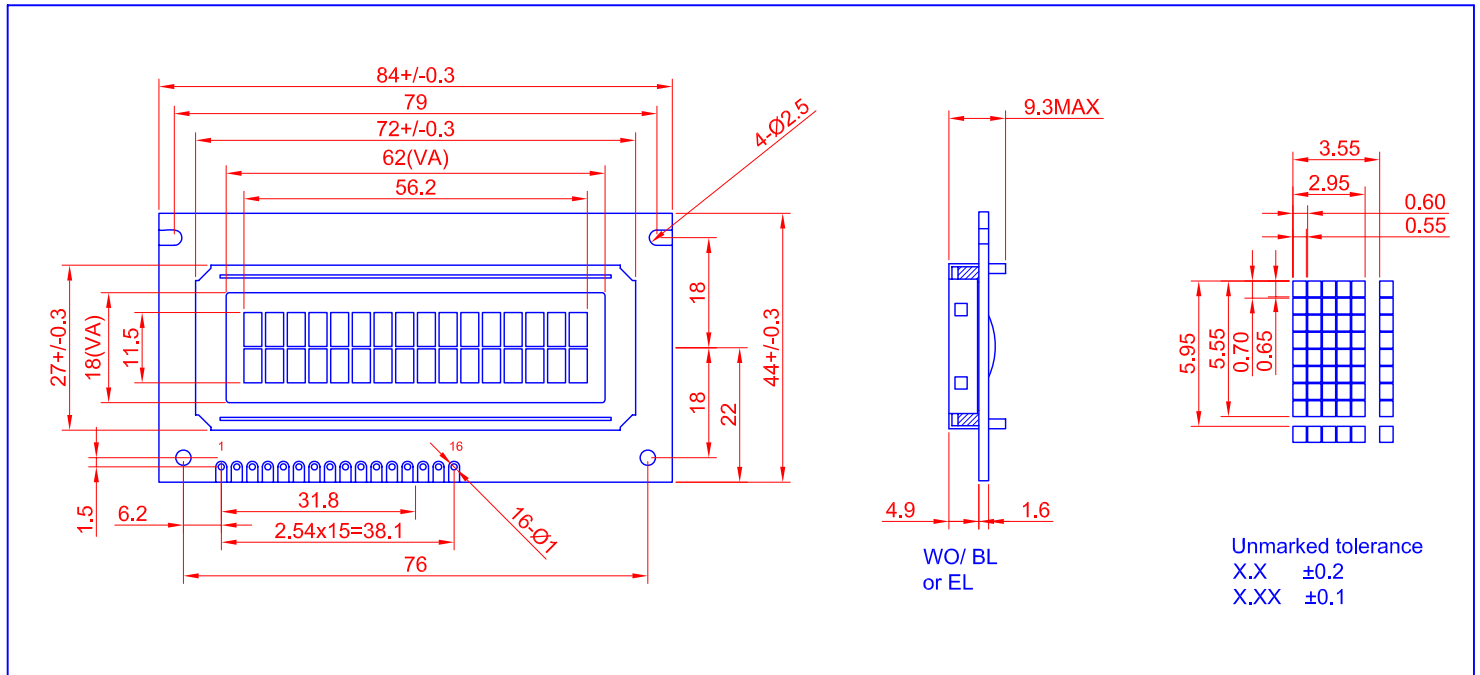
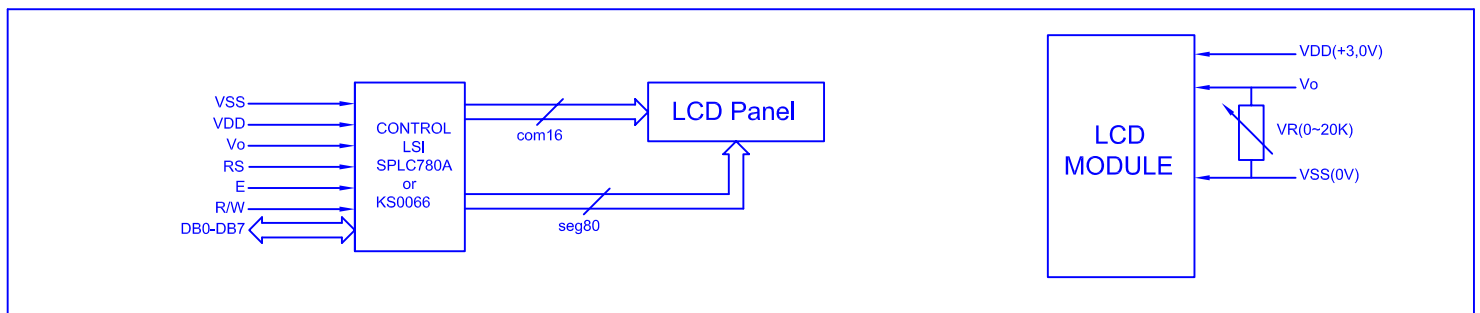


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM & POWER SUPPLY



3.0 MECHANICAL SPECIFICATIONS & FEATURE

Item	Nominal dimensions (mm)	FEATURE	
		LCD Type	STN
Module Size (W*H*T)	84.0x44.0x13.8(9.3)	LCD Colour	Gray
View Area (W*H)	62.0x18	View Angle	6 O'clock
Character Pitch (W*H)	3.55x5.95	Display Type	Positive Type
Character Size (W*H)	2.95x5.55	Rear polarizer	Reflective
Character Font	5x8	Operating Temperature	0°C ~ +50°C
Dot Pitch (W*H)	0.60x0.70	Storage Temperature	-20°C ~ +70°C
Dot Size (W*H)	0.55x0.65	Backlight	None

4.0 ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	3.0	3.5	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	2.8	---	V
Supply Current	Idd	Ta=25°C, Vdd=3.0V	---	0.6	0.8	mA
Supply Current for Backlight	If	Ta=25°C, Vf=2.7V	---	---	---	mA

5.0 INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1 ~ 8	DB7 ~ DB0	H/L	Data Bus Line
9	E	H/H -> L	Enable signal for 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	VDD	--	Power supply for Logic(+3.0V)
14	VSS	--	GND
15	LEDA	--	None
16	LEDK	--	None