LCD-DISPLAY YM-1602C Series

OUTLINE DIMENSIONS

Unmarked tolerance:x.xx±0.20
x.x±0.3

WHIT EL B/L   WHIT LED B/L
WITHOUT B/L
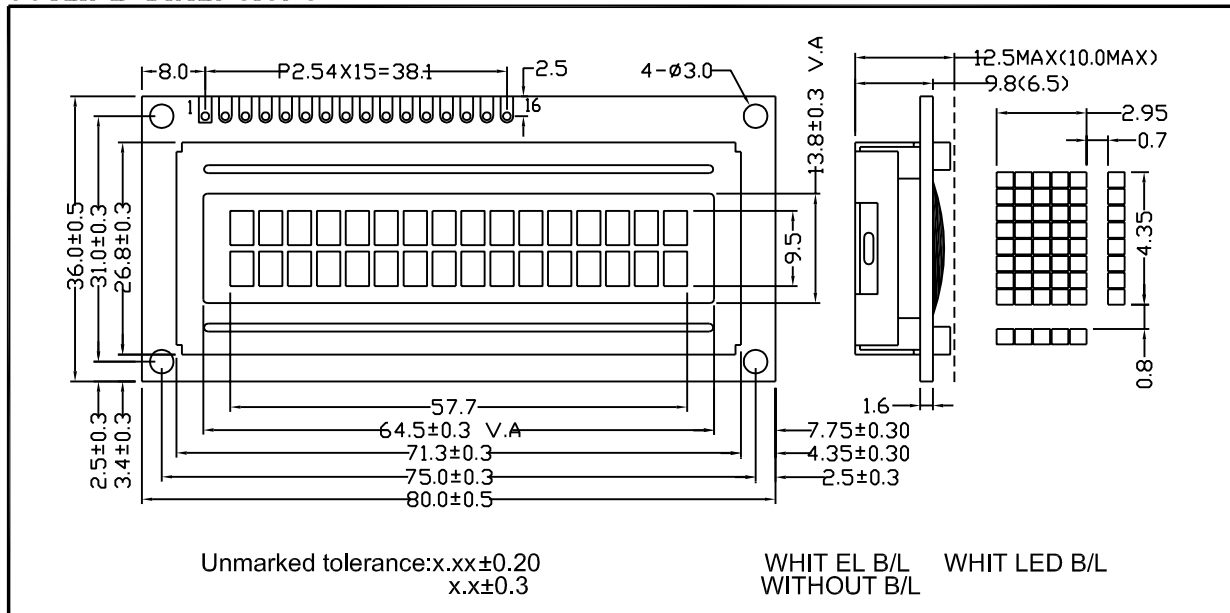
BLOCK DIAGRAM & POWER SUPPLY

VSS
VDD
V0
RS
E
R/W
VDD
DB0~DB7
ELA
ELK

CONTROL LSI SPLC780 OR KS0066+ KS0065

com16 → LCD Panel
seg80
Backlight

LCD MODULE

VDD(+5.0V)
Vo
VR(0~20K)
VSS(0V)
ELA
ELK
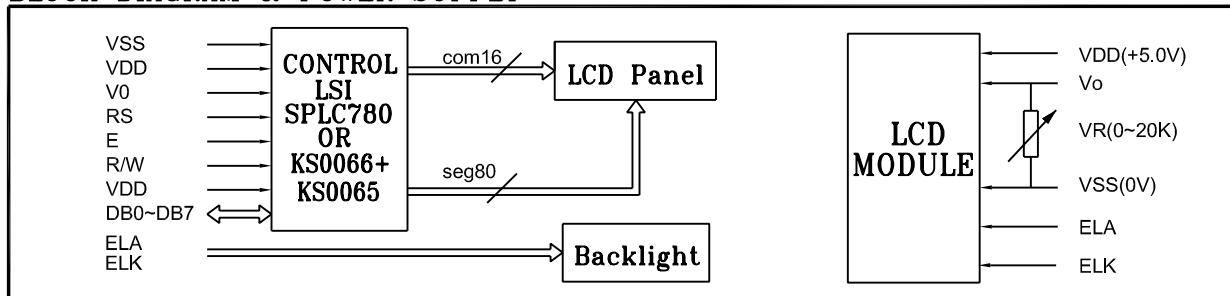
MECHANICAL SPECIFICATION & FEATURE

Item	Normal Dimensions(mm)		FEATURE
Module Size(W*H*T)	80.0X36.0X10.0/12.5	LCD Type	STN , TN , HTN , FSTN
View Area(W*H)	64.5X13.8	LCD Colour	STN:Yellow-Green , Grey Other:Gray
Character Pitch(W*H)	3.65X5.15	View Angle	6 O'Clock , 12 O'Clock
Character size(W*H)	2.95X4.35	Display Type	Positive Type , Negative Type
Character Font	5X8	Real polarizer	Transmissive , Reflective , Transflective
Dot Pitch(W*H)	0.60X0.55	Operating Temperature	-10°C~60°C , -20°C~70°C
Dot Size(W*H)	0.55X0.50	Backlight	LED:Yellow EL:Green,Blue-Green,blue Without

ELECTRICAL CHARACTERISTICS

Item	Symbol	Symbol	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	5.0	---	V
Operating Voltage LCD	Vlcd	Ta=25°C	---	4.7	---	V
Supply Current	Idd	Ta=25°C , Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	If	Ta=25°C , Vf=4.2V	---	---	---	mA

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1	VSS	---	Ground for Logic
2	VDD	---	Power supply for Logic(+5.0V)
3	V0	---	Power supply for LCD drive
4	RS	H/L	Register selection (H:DATA register , L:Instruction register)
5	R/W	H/L	Read/Write selection (H:Read , L:Write)
6	E	H/L	Enable signal for LCM
7~14	DB0~DB7	H/L	Data Bus lines
15	A	---	Backlight(+5.0V)
16	K	---	Backlight(0V)

REMARK

Operating voltage option : 5.0V or 3.0V
CGROM font option : English Japanese Russian etc