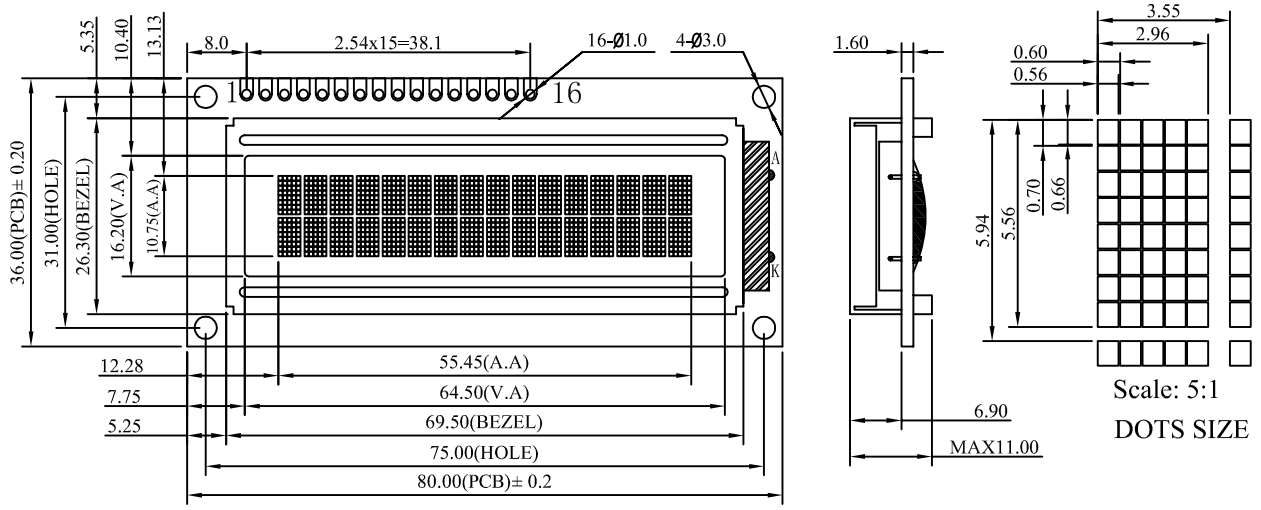
RoHS

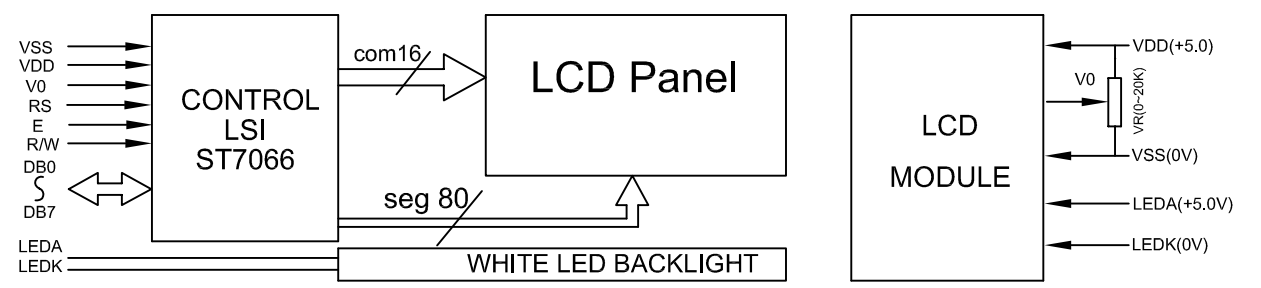
1602D1 Series

16x2 CHARACTERS
1/16 DUTY, 1/5 BIAS
CHARACTER-COB

OUTLINE DIMENSIONS



BLOCK DIAGARM & POWER SUPPLY



MECHANICAL SPECIFICATONS & FEATURE

item	Normal Dimensions(mm)	Feature	
Module Size(W*H*T)	80.0x36.0x11.0MAX	LCD Type	STN
View Area(W*H)	64.5x16.2	LCD Colour	STN:BLUE MODE YELLOW-GREEN
Character Pitch(W*H)	3.55x5.94	View Angle	6 O'clock
Character Size(W*H)	2.96x5.56	Display Type	Positive Type,Negative Type
Character Font	5x8	Rear Polarizer	Reflective,Transflective,Transmissive
Dot Pitch(W*H)	0.60x0.70	Operating Temperature	0℃ ~50℃ , -20℃~70℃
Dot Size(W*H)	0.56x0.66	Backlight	LED: White Y-G

ELECTRICAL CHARACTERISTICS

item	Symbol	Test Condition	Min.	Type.	Max.	Unit
Operating Voltage	Vdd	Ta=25℃	---	5.0V	---	V
Operating Voltage for LCD	Vlcd	Ta=25℃	---	4.6V	---	V
Supply Current	Idd	Ta=25℃,Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	If	Ta=25℃,Vf=4.2V	---	100	---	mA

INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1	VSS	---	Ground for Logic (0V)
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→L	Enable signal for LCM
7~14	DB0~DB7	H/L	Data Bus Lines
15	LEDA	---	Power supply for backlight(+5.0V)
16	LEDK	---	Power supply for backlight(-)

REMARK
1.Negative type LCD colour : Bule.
2.CGROM font option:English,Japanese,Russian,Etc.
3.File Version:01