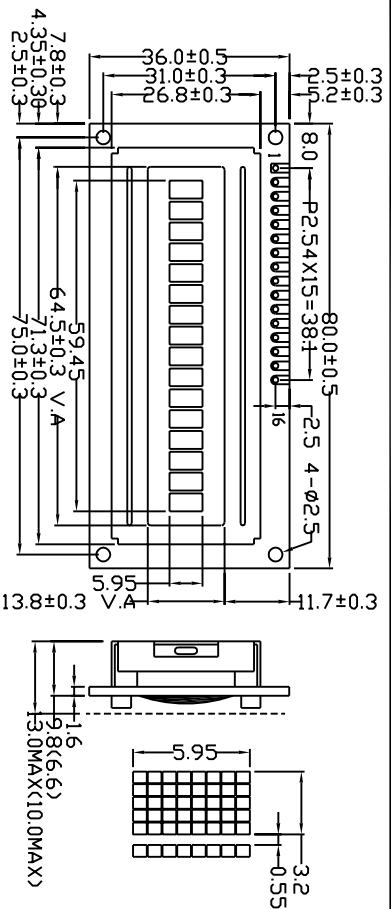
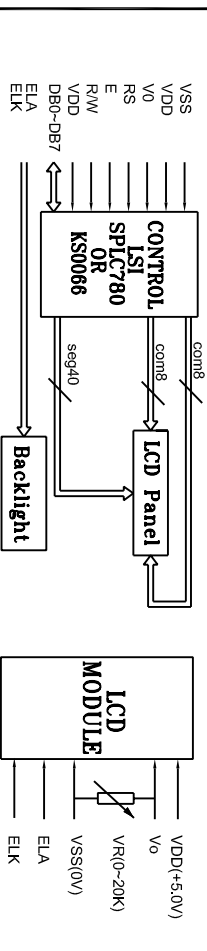


OUTLINE DIMENSIONS

WHIT EL B/L WHIT LED B/L
WITHOUT B/L

BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATION & FEATURE

Item	Normal Dimensions(mm)	FEATURE
Module Size(W×H×T)	80.0X36.0X1.0/1.3/0	LCD Type
View Area(W×H)	64.5X13.8	LCD Colour
Character Pitch(W×H)	3.2X5.95	STN:Yellow-Green, Grey Other:Gray
Character Size(W×H)	3.2X5.95	View Angle
Character Font	5X8	Display Type
Dot Pitch(W×H)	0.65X0.75	Real polairizer
Dot Size(W×H)	0.60X0.70	Operating Temperature
		-10°C-60°C, -20°C-70°C
		LED:Yellow EL:Green,Blue-Green,blue Without Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Symbol	Min.	Typ.	Max.	Unit
Operating Voltage	V _{dd}	T _a =25°C	---	5.0	---	V
Operating Voltage LCD	V _{lcd}	T _a =25°C	---	4.7	---	V
Supply Current	I _{dd}	T _a =25°C, V _{dd} =5.0V	---	2.0	3.0	mA
Supply Current for Backlight	I _f	T _a =25°C, V _f =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