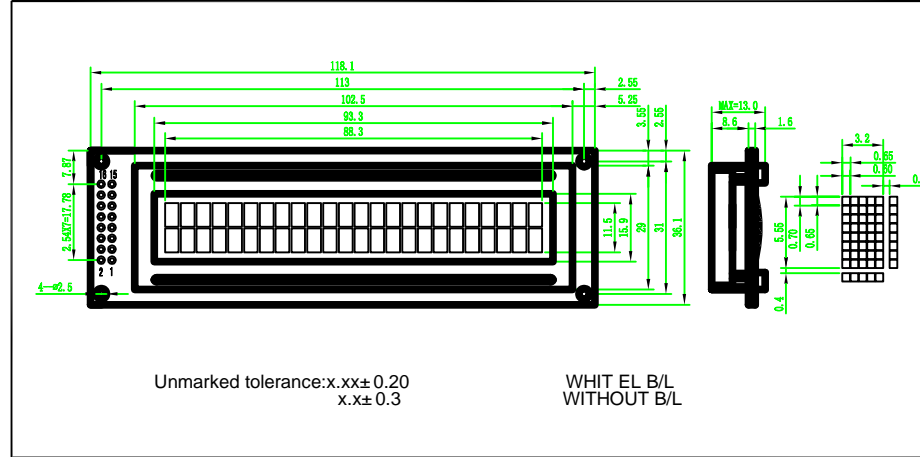
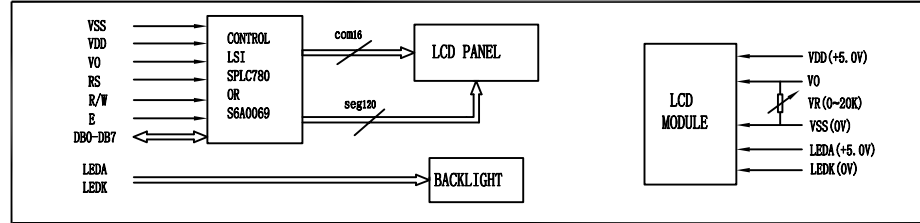


ZX2402A



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

ITEM		NORMAL DIMENSIONS(MM)		FEATURE	
MODULE SIZE (W*H*T)		118.1 X 36.1 X 13.0		LCD TYPE	STN TN HTN FSTN
VIEW AREA (W*H)		93.3 X 15.9		LCD COLOUR	STN:YELLOW-GREEN, GRAY, OTHER:GRAY
CHARACTER PITCH (W*H)		3.70 X 5.95		VIEW ANGLE	6 O'CLOCK, 12 O'CLOCK
CHARACTER SIZE (W*H)		3.20 X 5.55		DISPLAY TYPE	POSITIVE TYPE, NEGATIVE TYPE
CHARACTER FONT		5 X 8		REAR POLARIZER	TRANSMISSIVE, REFLECTIVE, TRANSPARENT
DOT PITCH (W*H)		0.65 X 0.70		OPERATING TEMPERATURE	-10 °C ~ 60 °C -20 °C ~ 70 °C
DOT SIZE (W*H)		0.60 X 0.65		BACKLIGHT	LED: YELLOW EL, GREEN, BLUE-GREEN, BLUE WITHOUT

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	---	4.5	---	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	---	120	---	MA

INTERFACE PIN CONNECTIONS

PIN NO	SYMBOL	LEVEL	DESCRIPTION
1	VSS	---	GROUND FOR LOGIC
2	VDD	---	POWER SUPPLY FOR LOGIC
3	VO	---	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	LEDA	---	POWER SUPPLY FOR BACKLIGHT(+)
16	LEDK	---	POWER SUPPLY FOR BACKLIGHT(-)

REMARK

OPERATING VOLTAGE :5.0V

CGROM FONT OPTION: ENGLISH JAPANESE RUSSIAN ETC