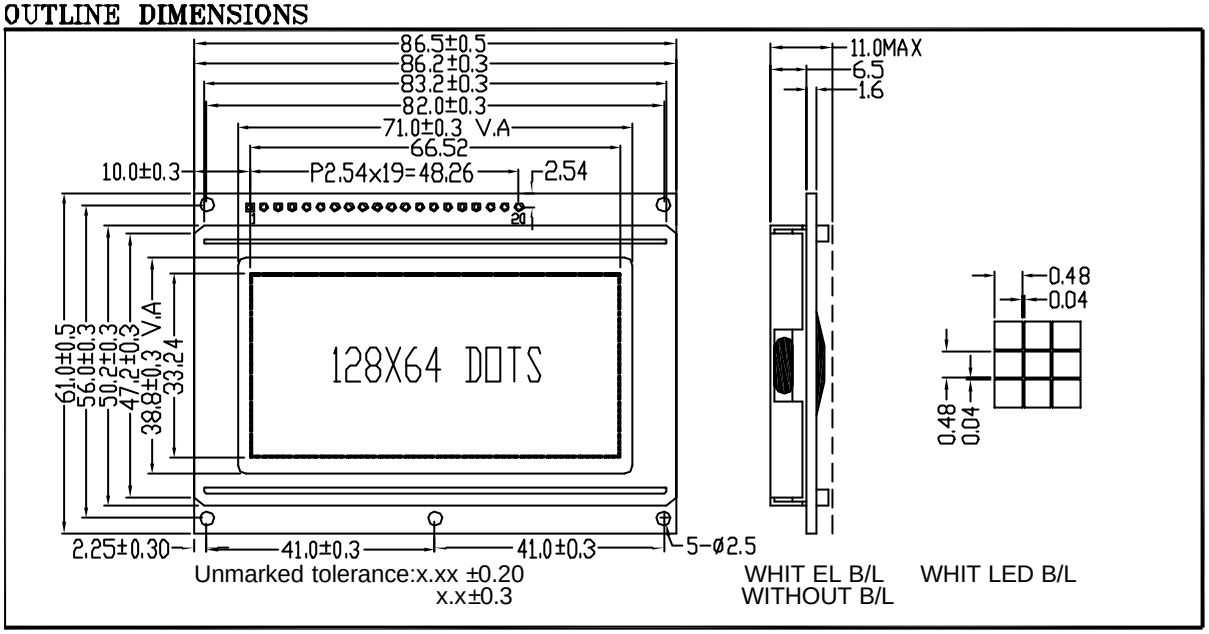
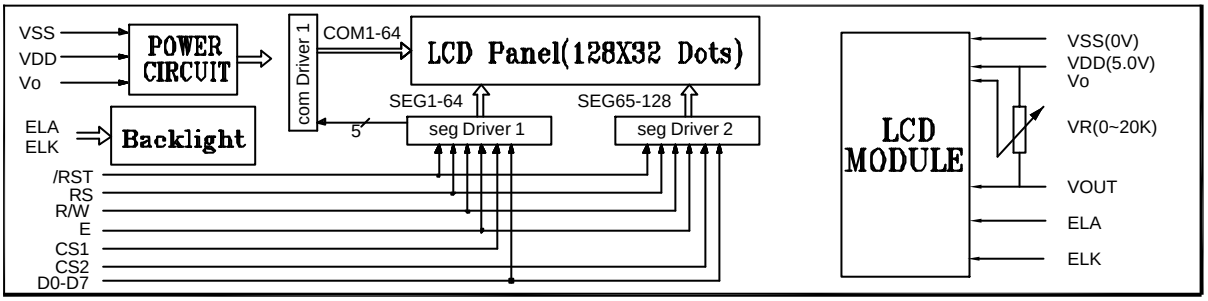
LCD-DISPLAY YM-12864B Series

128x64 DOTS
1/64 DUTY,1/9 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATION & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size(W*H*T)	113.0X65.0X11.0/14.5	LCD Type	STN , TN , HTN , FSTN
View Area(W*H)	73.4X38.8	LCD Colour	STN:Yellow-Green , Grey Other:Gray
Character Pitch(W*H)	128X64	View Angle	6 O'Clock , 12 O'Clock
---	---	Display Type	Positive Type , Negative Type
---	---	Real polarizer	Transmissive , Reflective , Transflective
Dot Pitch(W*H)	0.508X0.508	Operating Temperature	-10°C~50° C , -20° C~60° C
Dot Size(W*H)	0.458X0.458	Backlight	EL:Green , Blue-Green , blue , white 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	---	20.0	30.0	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
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	CS1	H/L	Chip select(H:left half panel)
16	CS2	H/L	Chip select(H:right half panel)
17	/RST	L	Reset signal
18	VOUT	---	DC-DC output
19	BL-	---	Power supply for Backlight(0V)
20	BL+	---	Power supply for Backlight(+5.0V)

REMARK

Operating voltage option : 5.0V or 3.0V
Parallel mode