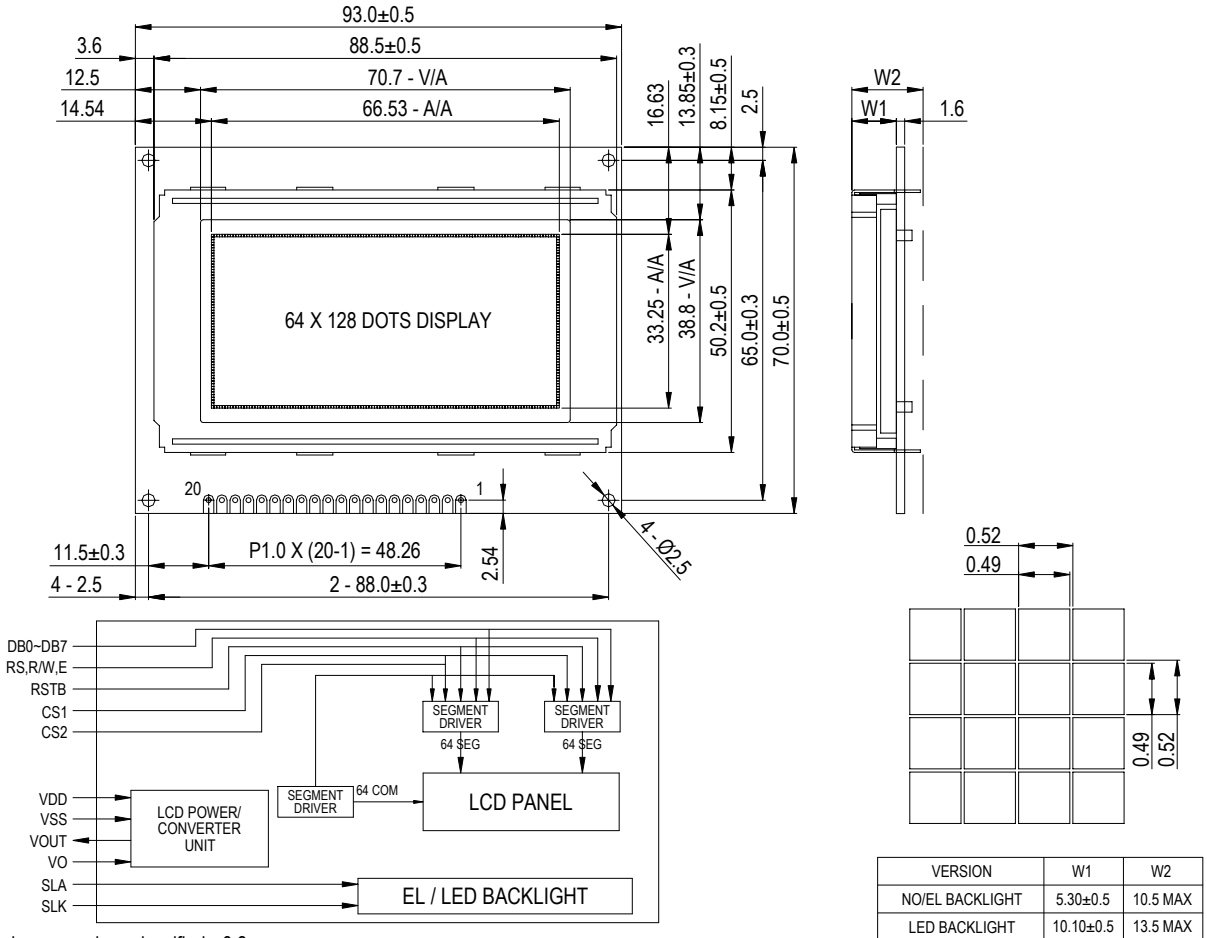




STANDARD GRAPHICS MODULES

G64128x01 OUTLINE DIMENSION AND BLOCK DIAGRAM



The tolerance unless classified ±0.3 mm

PIN ASSIGNMENT		
Pin No.	Symbol	Function
1	VSS	Ground Terminal
2	VDD	Supply Terminal
3	V0	Power Supply for LCD Driver
4	RS	Register Select Signal
5	R/W	Read / Write Selection
6	E	Enable Signal
7	DB0	Data Bus Line
8	DB1	Data Bus Line
9	DB2	Data Bus Line
10	DB3	Data Bus Line
11	DB4	Data Bus Line
12	DB5	Data Bus Line
13	DB6	Data Bus Line
14	DB7	Data Bus Line
15	CS1	Select IC U2
16	CS2	Select IC U4
17	RSTB	Reset Signal
18	VOUT	Output Voltage
19	SLA	Led Backlight Power Supply
20	SLK	Led Backlight Ground

NOTE :
 1. BACKLIGHT - YELLOW GREEN : BOTTOM LED BACKLIGHT
 2. BACKLIGHT - OTHER COLOR : SIDE LED BACKLIGHT

ABSOLUTE MAXIMUM RATING						
Item	Symbol	Conditions	Min.	Max.	Unit	
Power Supply Voltage	Vdd-Vss	-	-0.3	7.0	V	
Input Voltage	Vin	-	Vss	Vdd	V	
NORMAL	OPERATING TEMPERATURE	Topr	Normal	0	+50	°C
	STORAGE TEMPERATURE	Tstg	Normal	-20	+70	°C
WIDE	OPERATING TEMPERATURE	Topr	Normal	-20	+70	°C
	STORAGE TEMPERATURE	Tstg	Normal	-30	+80	°C

ELECTRICAL CHARACTERISTIC (Vdd = + 5v, Ta = 25°C)						
Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Logic Supply Voltage	Vdd	-	4.5	5.0	5.5	V
"H" Input Voltage	V _{HI}	-	0.7V _{dd}	-	V _{dd}	V
"L" Input Voltage	V _{LI}	-	0	-	0.3V _{dd}	V
"H" Output Voltage	V _{OH}	-	2.4	-	-	V
"L" Output Voltage	V _{OL}	-	-	-	0.4	V
Module Supply Current	I _{dd}	-	-	10.0	20.0	mA
LCD Driving Voltage	V _{LED}	V _{dd} -V _o	11.0	11.5	12.0	V

BACKLIGHT OPTION					
LED COLOR	OPTION	CONDITION	FORWARD CURRENT (mA)		
			MIN	TYP	MAX
YELLOW GREEN	YES	V _{led} = 5.0V R _{led} = 10 ohm	-	100	-
WHITE	YES	V _{led} = 5.0V R _{led} = 10 ohm	-	65	-
BLUE	NO	-	-	-	-
AMBER	NO	-	-	-	-
RED	NO	V _{led} = 5.0V R _{led} = 10 ohm	-	110	-
CCFL	NO	-	-	-	-
EL	NO	-	-	-	-

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