TG12864B-05

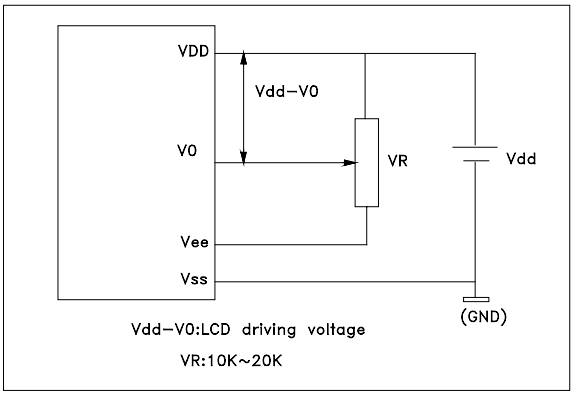
■ Series

Display Format	128 X 64 DOTS
Drive Method	1/64 Duty ; 1/9 Bias
LCD Type	STN/Transflective/positive Y/G
LED Backlight	Yellow
Viewing direction	6:00
Operating Temperature	-20℃~70℃

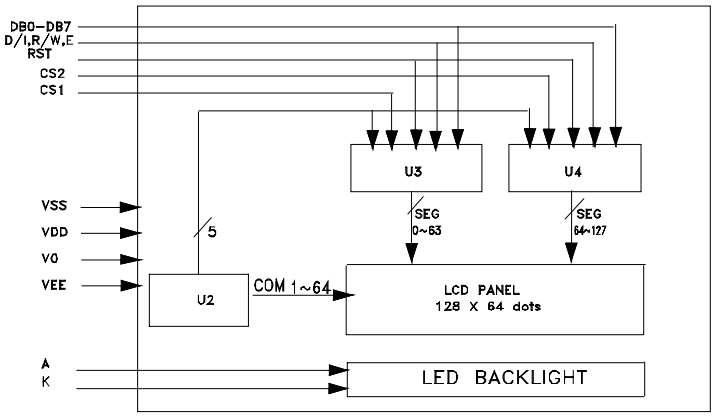
■ Electrical Characteristics

ITEM	Symbol	Condition	Standard value			UNIT
			Min.	Typ.	Max.	
Supply Voltage For Logic	V_{DD}-V_{SS}	--	4.5	5.0	5.5	V
Supply Voltage For LCD	V_{DD}-V_0	--	--	9.0	--	V
Input High Voltage	V_{IH}	--	0.7V_{DD}	--	V_{DD}	V
Input Low Voltage	V_{IL}	--	0	--	0.3V_{DD}	V
Supply Current for Logic	I_{DD}	--	--	6.0	--	mA
Supply Current for LCD	I_{EE}	--	--	4.5	--	mA
With B/L(Yellow-Green)	I_{LED}	V_{LED}=5.0V	--	330	660	mA

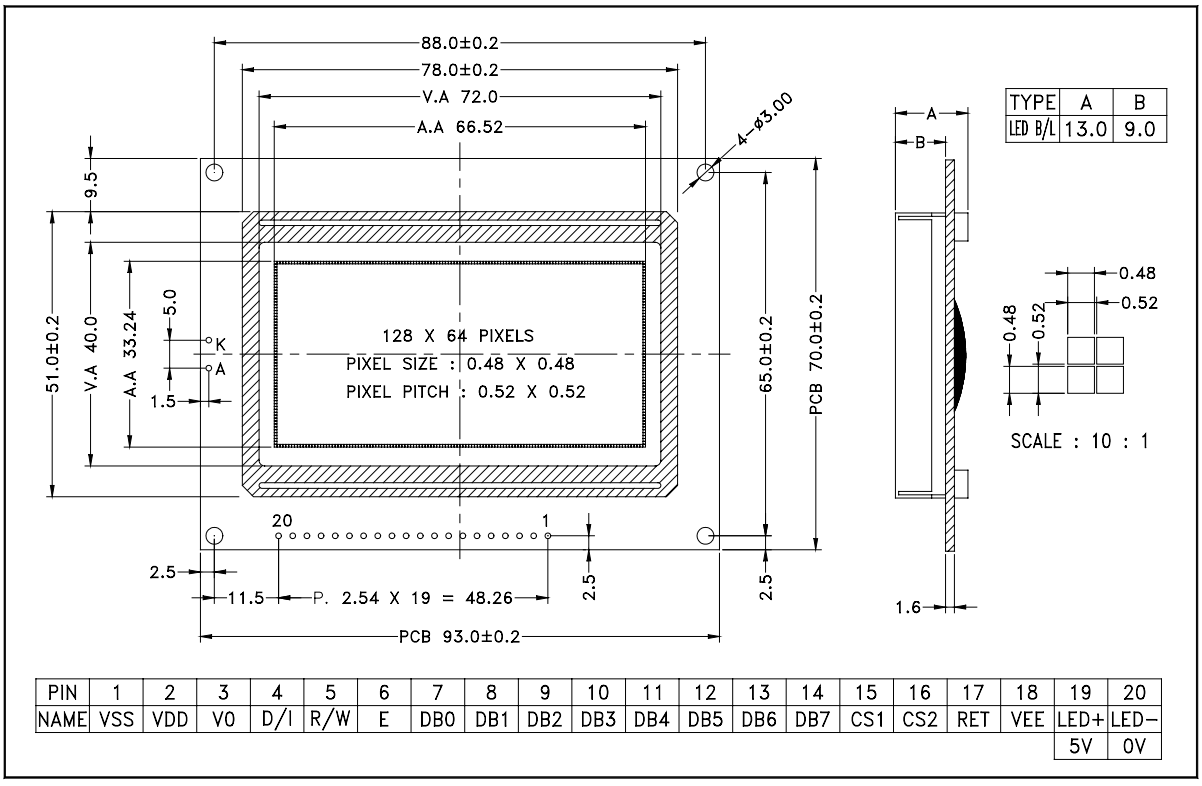
■ Power supply



■ Block Diagram



■ EXTERNAL DIMENSIONS AND DISPLAY PATTERN



PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NAME	VSS	VDD	V0	D/I	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	CS1	CS2	RET	VEE	LED+ 5V	LED- 0V