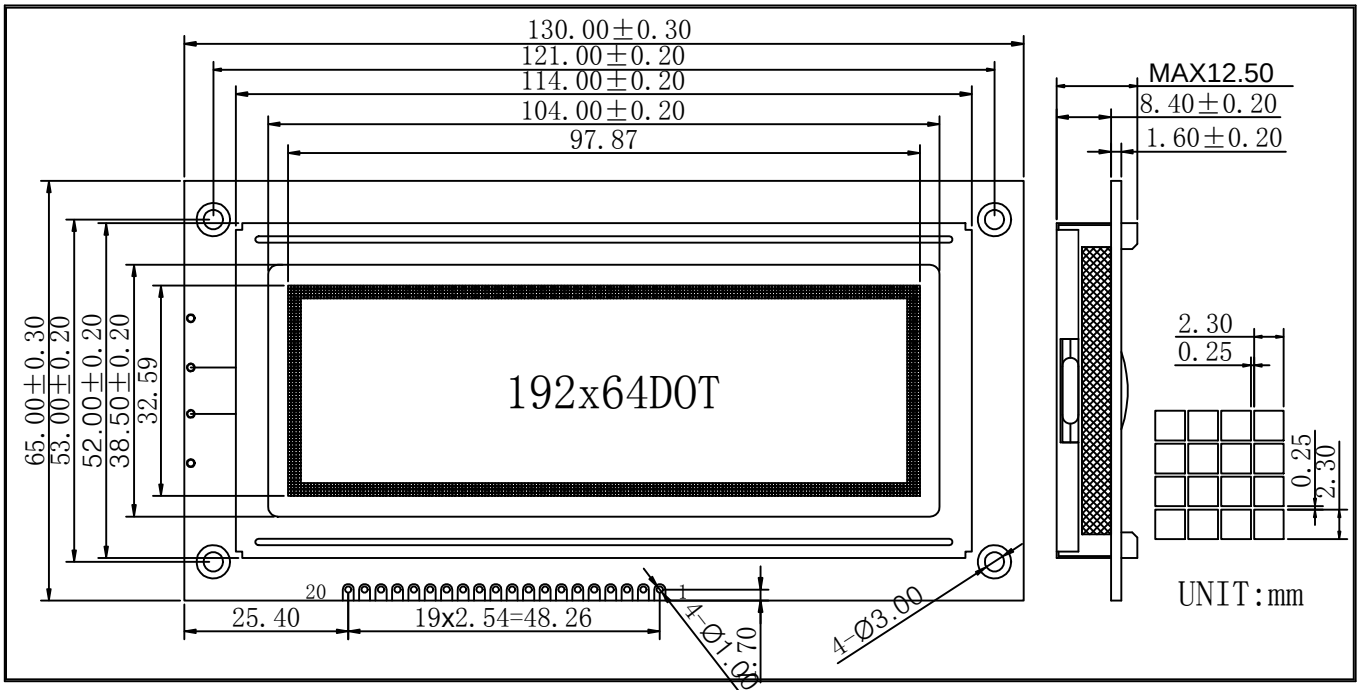
KNY19264A

*192x64 DOTS 1 / 64duty 1 / 9bias
Yellow-Green mode STN Transflective



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply voltage (Logic)	VDD	-0.3	7.0	V
Supply voltage (LCD)	VDD-V0	VDD-19	VDD+0.3	V
Input voltage	VI	0	VDD	V
Operating Temp	Topr	-15	65	℃
StorageTemp	Tstg	-25	75	℃

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module size(WxHxT)	130.0x65.0x12.5	mm
Viewing Area(WxH)	104.0x38.5	mm
Dot Pitch(WxH)	0.51x0.51	mm
Dot Size(WxH)	0.46x0.46	mm

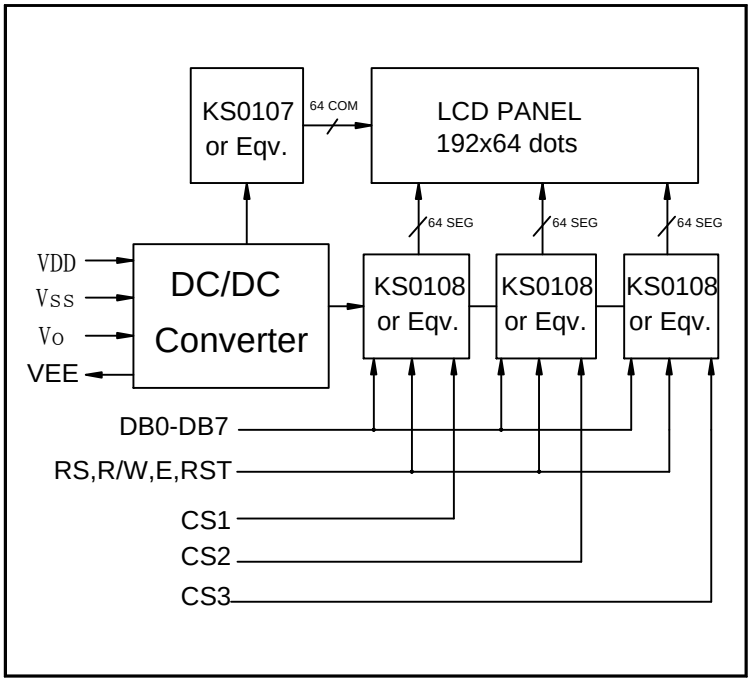
ELECTRICAL CHARCTERISTICS (VDD=5V±0.25V)

Item	Symbol	Text Condition	Min.	Typ	Max.	Unit
Input High Voltage	VIH	- -	0.7VDD	- -	VDD	V
Input Low Voltage	VIL	- -	VSS	- -	0.3VDD	V
Output High Voltage	VOH	LOH=-200uA	2.4	- -	- -	V
Output Low Voltage	VOL	LOL=1.6mA	- -	- -	0.4	V
Supply Current	IDD	VDD=5.0V	- -	1	1.5	mA
LCD Driving Voltage	VDD-V0	Ta=25℃	- -	4.5	5.0	V

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	GND	- -	GND(0V)
2	VDD	- -	Supply Voltage for Logic (+5v)
3	Vo	- -	Supply Voltage for LCD
4	RS	H/L	H:Data L:Instruction code
5	R/W	H/L	H:Read L:Write
6	E	H.H→L	Enadle Signal
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	CSA	L	Chip Selection For IC1
16	RESET	L	Reset Signal,Active Low
17	CSB	L	Chip Selection For IC2
18	CSC	L	Chip Selection For IC3
19	VEE	- -	Negative Voltage Output
20	BLA	- -	LED B/L Power Supply

BLOCK DIAGRAM



LED BACKLIGHT SPECIFCATIONS (Ta=25℃)

Ltem	Symbol	Typ.	Max.	Unit
Forward Voltage	Vf	3.0	3.3	V
Forward Current	If	65	- -	mA
Emission Wave Length	λp	568	- -	nM