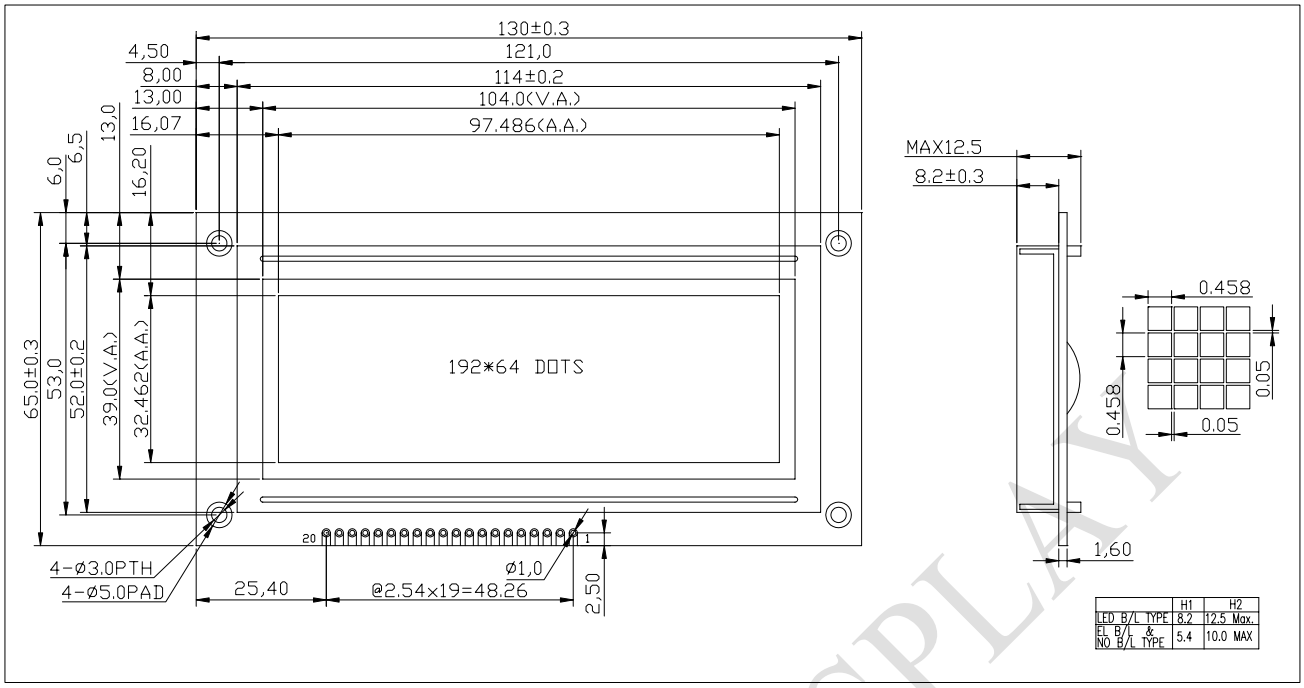
HG192641 1/64DUTY 1/9BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	GND
2	V_{DD}	+5V	Power supply for logic
3	V_O	-	Operating voltage for LCD
4	RS	H/L	"H" Data, "L" Instruction code
5	R/W	H/L	"H" Read, "L" Write
6	E	H/L	Enable signal
7 | 14	DB0 | DB7	H/L	Data bus line
15	/CS1	L	Chip selection for IC1
16	/REST	L	Reset signal ,active "L"
17	/CS2	L	Chip selection for IC2
18	/CS3	L	Chip selection for IC3
19	V_{OUT}	-	Out voltage for LCD driving
20	LEDA	+5V	Power supply for LED backlight

NOTES:

1. Built-in KS0107/0108 controller
2. +5V/+3.3V power supply optional
3. Yellow green/blue mode optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	130.0X65.0X12.5	mm
Viewing Area (W x H)	104.0X39.0	mm
Dot Pitch (W x H)	0.508X0.508	mm
Dot Size (W x H)	0.458X0.458	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	7.0	V
Supply Voltage (LCD)	V_{DD}-V_O	-0.3	17.5	V
Input Voltage	V_I	-0.3	V_{DD}+0.3	V
Operating Temp.	T_{OPR}	-20	70	℃
Storage Temp.	T_{STG}	-30	80	℃

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25℃)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.8V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.8	V
Output High Voltage	V_{OH}	2.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.4	V
Supply Current	I_{DD}	-	6	8	mA
LCD Driving Voltage	V_{DD}-V_0	-	12	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	300mA
White	3.1V	120mA

TSINGTEK DISPLAY