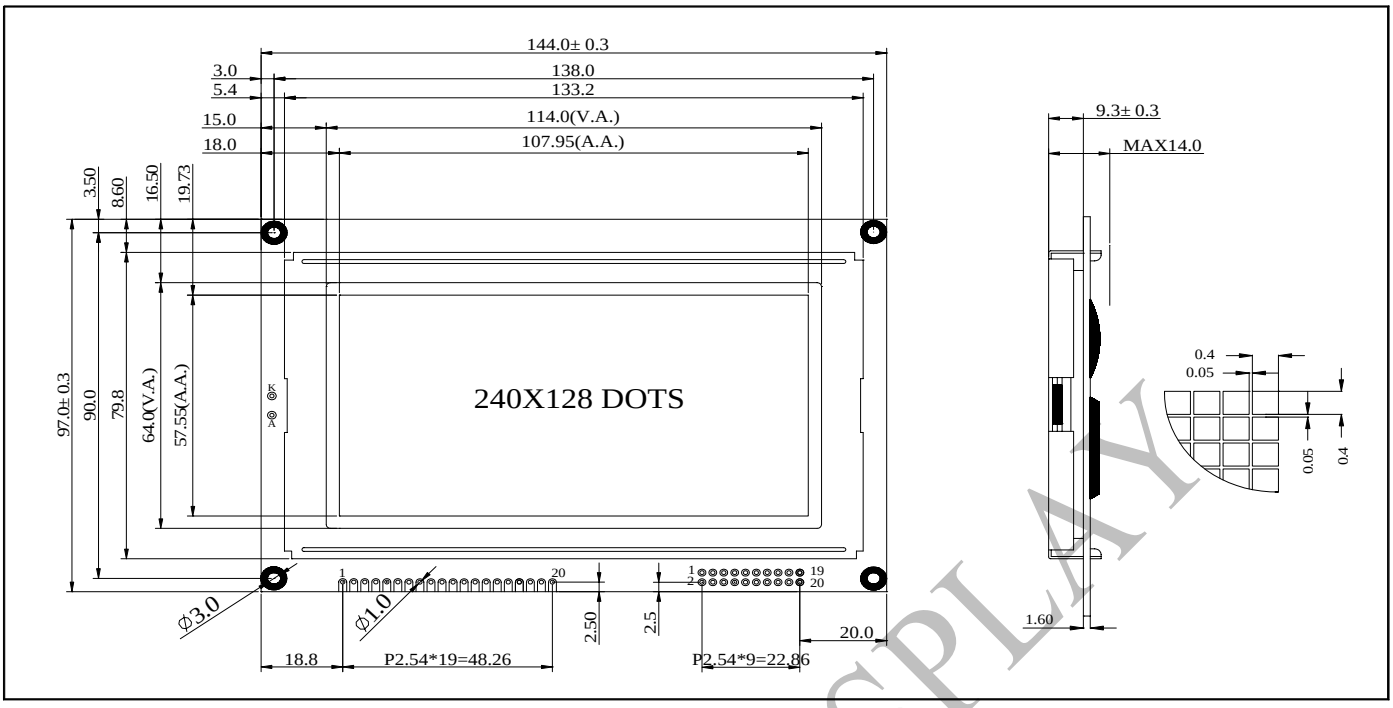
HG2401288 1/128DUTY 1/12BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	Ground
2	V_{DD}	+5V	Power supply for Logic
3	V0	-	Operating voltage for LCD
4	/WR	H/L	Write signal “L”
5	/RD	H/L	Read signal “L”
6	/CS	L	Chip enable signal
7	C/D	H/L	“H” Instruction code “L” Data
8	/RES	L	Reset signal “L”
9 | 16	DB0 | DB7	L	Data bus line
17	Busy	H/L	Check Busy
18	V_{EE}	-	Negative voltage output
19	LEDA	+5.0	Power supply for B/L
20	LEDK	0V	

NOTES:

1. Built-in RA8822 (With Chinese Char ROM)
2. 5/3.3V power supply optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	144.0X97.0X14.0	mm
Viewing Area (W x H)	114.0X64.0	mm
Dot Pitch (W x H)	0.45X0.45	mm
Dot Size (W x H)	0.40X0.40	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	5.5	V
Supply Voltage (LCD)	V_{DD}-V_0	0	28	V
Input Voltage	V_I	0	V_{DD}	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}	0.7 V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.2 V_{DD}	V
Output High Voltage	V_{OH}	0.7 V_{DD}	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.2 V_{DD}	V
Supply Current	I_{DD}	-	-	-	mA
LCDDriving Voltage	V_{DD}-V_0	-	17.4	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	720mA
WHITE	3.1V	150mA

TSINGTEK DISPLAY