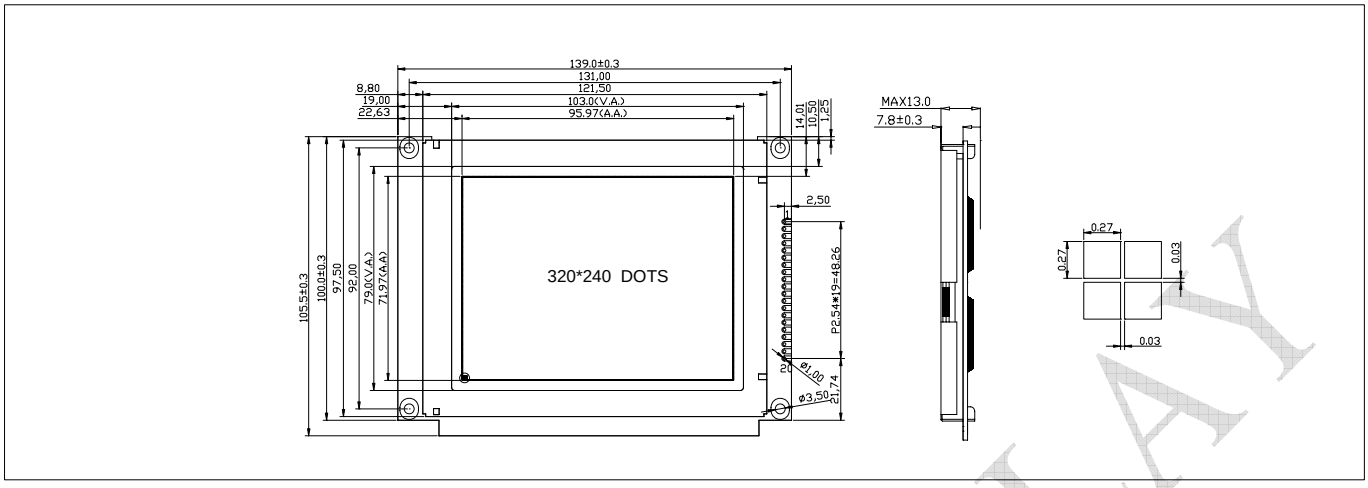
HGO3202401 1/240DUTY 1/16BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	GND
2	V_{DD}	5.0V	Logic Power supply
3	V_0	-	Driving voltage for LCD
4	/WR	L	Write signal
5	/RD	L	Read signal
6	/CS	L	Chip enable signal
7	A0	H/L	"L" Data "H" Instruction code
8	/REST	L	Reset signal ,active "L"
9 | 16	DB0 | DB7	H/L	Data bus line
17	NC	-	No connection
18	VEE	-	Negative voltage output
19	LEDA	5.0V	Power supply for LED
20	LEDK	0V	

NOTES:

1. Built-in RA8835 controller
2. COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	139X105.5X13.0	mm
Viewing Area (W x H)	103.0 X79.0	mm
Dot Pitch (W x H)	0.30X0.30	mm
Dot Size (W x H)	0.27X0.27	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	-0.3	6.5	V
Supply Voltage (LCD)	V_0	-0.3	25	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	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.5V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	V_{SS}	-	0.2V_{DD}	V
Output High Voltage	V_{OH}	V_{DD} -0.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	V_{SS} +0.4	V
Supply Current	I_{DD}	-	TBD	-	mA
LCD Driving Voltage	V_0	-	21.0	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
White	3.1V	120mA

TSINGTEK DISPLAY