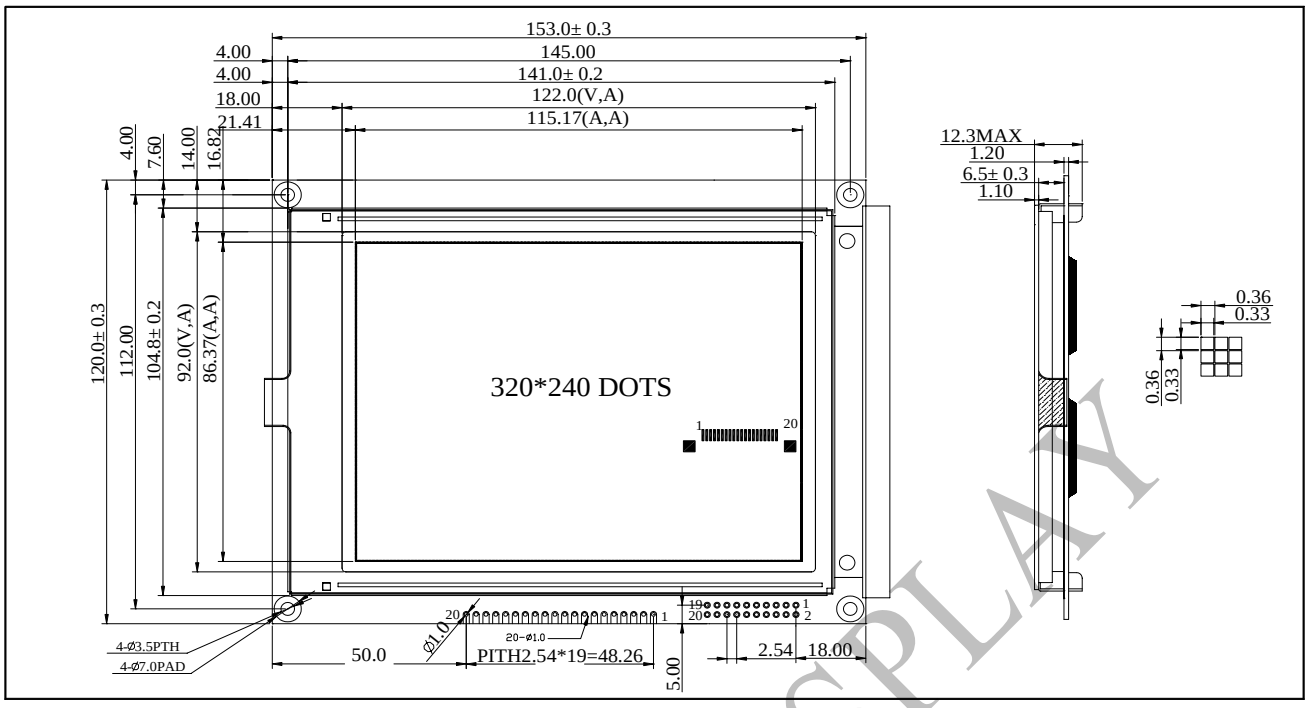
HG3202407 1/240DUTY 1/16BIAS



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V_{SS}	0V	Ground
2	V_{DD}	5.0V	Power supply for Logic
3	V_O	-	Driving voltage for LCD
4	/WR	L	8080：Write signal
5	/RD	L	8080：Read signal
6	/CS	L	Chip select ,Active L
7	A0	H/L	"L" Data, "H" Instruction code
8	/RES	L	Reset signal ,active "L"
9 | 16	DB0 | DB7	L	Data bus line
17	BUSY		Busy signal
18	INTI	-	Programmable interrupt
19	LEDA	+5V	Power supply for B/L
20	LEDK	0V	

NOTES:

1. Built-in RA8806 controller (ASCII code，GB code)
2. 5/3.3V power supply optional
3. Touch panel optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size（W x H x T）	153.0X120.0X12.3	mm
Viewing Area (W x H)	122.0X92.0	mm
Dot Pitch (W x H)	0.36X0.36	mm
Dot Size (W x H)	0.34X0.34	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V_{DD}-V_{SS}	0	6.5	V
Supply Voltage (LCD)	V_{DD}-V_O	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}	0.5 V_{DD}	-	V_{DD}	V
Input Low Voltage	V_{IL}	0	-	0.2V_{DD}	V
Supply Current	I_{DD}	-	100	-	mA
LCD Driving Voltage	V_{DD}-V_0	-	23.0	-	V

LED BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Forward Voltage	Forward Current
White	3.1V	180mA

CCFL BACKLIGHT SPECIFICATIONS (Ta=25℃)

Item	Symbol	Standard Value
Driving Current	IFLD	5.0mA (AC=250V)

TSINGTEK DISPLAY